

2013

**HEINE**

MASTER CATALOGUE | MEDICAL



© HEINE Optotechnik GmbH & Co. KG. Printed in Germany, 10.2012

All information, specifications and illustrations contained in this catalogue are based on the latest product information available at the time of publication. Errors and omissions excepted. HEINE Optotechnik GmbH & Co. KG reserves the right to change specifications and design at any time without prior notice. This document must not be copied, reprinted or reproduced in any form, either wholly or in part without the written consent of HEINE Optotechnik GmbH & Co. KG. Please observe the General Terms and Conditions of HEINE Optotechnik GmbH & Co. KG. For our General Terms and Conditions, please refer to: [www.heine.com](http://www.heine.com).



**HEINE** QUALITY  
MADE IN GERMANY

## 2013 | HEINE NEW PRODUCTS



LED HQ

LED NOW IN HEINE QUALITY.



HEINE launches a new series of LED diagnostic instruments and defines a new standard for premium LED-Technology – in HEINE Quality.

Instruments that meet the exacting HEINE Quality Standard, providing bright, absolutely homogenous illumination, optimal Colour Temperature, exceptional Colour Rendering Index performance, with precise brightness control over the entire range of illumination where needed. Reds stay red. Blues stay blue. For an absolutely reliable and accurate diagnosis.

We simply call it LED<sup>HQ</sup> – LED now in HEINE Quality!



LED NOW IN HEINE QUALITY.

**LED in HEINE Quality – 5 advantages that set a new standard in LED Illumination.**  
**With our many years of R&D experience in LED-Technologies, our engineers focused on 5 key elements in the development of new LED-Technologies. Every HEINE LED instrument must meet the requirements of each of these key factors to meet the HEINE Standard.**



#### LIGHT INTENSITY

Light intensity is measured in Lux, at the defined working distance of the instrument. Each HEINE LED instrument has been engineered to provide the optimal illumination that is ideally suited for the application. With the exception of the mini3000 Pocket Instruments, the illumination can be continuously adjusted in light intensity.



#### DURABILITY

High quality LEDs that are tailored to and properly integrated into the operating environment have a virtually unlimited working life. HEINE LED instruments are virtually maintenance free, with no need to ever exchange the LED. In addition, the high efficiency of LEDs and low power consumption means extended use times and longer battery life.



#### THERMAL MANAGEMENT

LEDs will only perform at their optimum level in very specific temperature ranges. Operating outside the specified temperature range will affect brightness, colour temperature as well as a reduction in lifetime and reliable performance over time. Instrument design and special materials such as ceramics, heat conducting foils, heat dissipating bonding materials and aluminum heat sinks are utilised to ensure that the LEDs always operate at the ideal temperature, ensuring consistent performance and a long life.



#### COLOUR RENDERING

The CRI (Colour Rendering Index) indicates how exactly colours are reproduced in comparison with daylight. The closer this number is to a maximum of 100, the more accurate the lighting system is, meaning that colours are displayed in their natural state. Red is red. Blue is blue. HEINE LED instruments have exceptionally high CRI values to ensure the examiner sees the colours as they are, for the most reliable and accurate diagnosis.



#### HOMOGENEITY

The HEINE LEDs have been synchronized with the precision HEINE Optical systems in each instrument to ensure an absolutely homogenous distribution of light across the entire field of view, including the edges. The result is high contrast, distortion free images with no distracting reflexes, shadows, or disturbing 'hot-spots'.



HEINE DELTA® 20 **Plus**. It was said to be unsurpassable. Now we've made it even better.

It's one of the principles of HEINE to launch innovations only once they are 100 % ready for the market. Not only in this respect does the new DELTA20 **Plus** set the highest standard in today's market. The original DELTA20 was already in a class of its own. Now our engineers have succeeded in developing the new DELTA20 **Plus** with an even higher level of diagnostic performance, expanding the amount of information that can be used to achieve the most accurate diagnosis for every patient.



#### FLEXIBILITY



The DELTA20 **Plus** allows for working with either a polarising filter or immersion liquids through the simple exchange of the contact plate. This allows a choice in the examination method for the respective skin lesion to obtain the most accurate diagnosis.



#### HOMOGENEITY

The field of view is uniformly illuminated edge-to-edge. The light fall-off to the edge is so low that it can hardly be seen by the human eye.

**CRI**  
87

#### COLOUR RENDERING

The colour rendering index, or the quantitative measurement of the colour's accuracy, is more than 87 (CRI). The result: True colours! Red is red, blue is blue. Colour temperature: 5,000 Kelvin.



#### THERMAL MANAGEMENT

The DELTA20 **Plus** utilises ceramics, a heat conducting foil and an aluminum heat sink in a threelayered composite structure to guarantee a consistent luminosity and performance throughout the LEDs' lifetime rating of 50,000 hours.

**LONG**  
**LIFE**

#### DURABILITY

For HEINE half an eternity is not enough. That's why our LEDs have a virtually unlimited working life and perform the same as they did the day they came off the assembly line throughout their lifetime.

For more information  
see page 097.



LED NOW IN HEINE QUALITY.





# HEINE OMEGA® 500. Our Best Indirect Ophthalmoscope is now twice as good: With LED- and XHL-Technology.

Ultimately you are investing in an Indirect Ophthalmoscope. For HEINE, the quality of your indirect system begins with the optics. The OMEGA500 offers adjustments and flexibility not available in any other instrument, and utilizes the most durable materials to provide you with the performance and reliability you demand.

CRI  
90

## COLOUR RENDERING

The Colour Rendering Index (CRI) indicates how exactly colours are reproduced in comparison with daylight. The closer this value is to the maximum of 100, the more accurate the lighting system is. The OMEGA500 with LED produces an excellent CRI value of 90, and is strong in its rendering of the colour red in particular, with a value of 75. Combined with a colour temperature of 4000K, this means that should you choose LED or opt to change from XHL- to LED-Technology, the colour rendering remains almost unaltered.



## EXACT BRIGHTNESS CONTROL

For proper brightness control and flexibility we've adapted the rheostat to accommodate for the unique characteristics of LED- and XHL-Technologies. The new HC50 L can be used in conjunction with the LED and the XHL system without any alterations or switches.



## HOMOGENEITY

To be able to discern even the slightest alterations of the retina, a homogeneous, distortion-free illumination of the field of view is important. The optics and illumination system of the OMEGA500 have always been known for this feature, and the new LED<sup>HO</sup> is no exception.



## THERMAL MANAGEMENT

Proper thermal management is required for a LED illumination to ensure consistent light output and maximum lifetime. Our LED module is constructed of heat conducting materials to assure a fast dissipation of the heat. This guarantees a consistent brightness of the LED during the whole working life.

LONG  
LIFE

## LIFESPAN AND ON TIME

By utilizing the latest LEDs and highest quality materials, our LED-Technology ensures a virtually unlimited working life (greater than 20,000 hours). Additionally, rechargeable batteries last longer due to the increased operating time and the reduced number of charging cycles.

For more information  
see pages 062 – 066.



LED NOW IN HEINE QUALITY.

HEINE mini3000® LED. Functionality, performance and reliability leave nothing to be desired.

The HEINE mini3000 series is the successful combination of the high quality features of full-size HEINE instruments and the convenience of pocket sized design.

CRI  
95

#### COLOUR RENDERING

The new HEINE mini3000 instruments with LED illumination produce a Colour Rendering value of more than 95 and an individual value for red colours of more than 90, ensuring red is red, blue is blue. Colour Temperature: 4,000 Kelvin.



#### LIGHT INTENSITY

To be able to discern even the slightest abnormalities, it is necessary to properly illuminate the object being examined. It's not a question of utilizing the brightest LED available, but utilizing the right LED and combining it with the optical system of the instrument to achieve the optimum brightness for the examination. This is guaranteed with all of our LED instruments.



#### HOMOGENEITY

The integrated light modules and apertures provide an absolutely homogeneous illuminated light spot. The light fall-off to the edge is so low that it cannot be perceived by the human eye.



#### THERMAL MANAGEMENT

We utilize heat-diffusing materials and an optimally proportioned instrument interior to conduct heat away from the LED. This guarantees consistent quality and performance throughout the LEDs' lifetime.

LONG  
LIFE

#### DURABILITY

For HEINE half an eternity is not enough. That's why our LEDs for mini3000 instruments have a virtually unlimited working life of up to 50,000 hours.



#### EFFICIENCY

LEDs require less power than XHL Xenon-Halogen bulbs, which leads to an ON-time of up to 10 hours. As a result the batteries need to be changed or recharged much less often.

For more information see pages 014, 051, 103.

LED NOW

LED NOW IN HEINE QUALITY.





## HEINE Short and Small F.O. LED Laryngoscope Handles.

**LONG LIFE**

LEDs with virtually unlimited hours of working life. No need to ever replace bulbs.



State of art LED Illumination System. 3x brighter than conventional 3.5V Halogen bulbs.

**CRI 80**

Authentic colour rendering. All colours of the light spectrum are displayed in their natural state. Red nuances retain their original intensity, enabling a detailed view of the pharynx with enhanced contrast rendering. Colour Temperature: 5,000K, Colour Rendering Index: >80.



Up to 13 hours ON time. Quick recharge in 2 hours with the desk charger NT300 of the newest generation (starting with serial number SN 101 1000001 and higher).\*

**LED NOW**

LED NOW IN HEINE QUALITY.



Exclusive Fade-Out Function: As soon as the dry cell batteries or rechargeable battery reach a low level, the handles gradually reduce brightness and start notifying user to replace batteries or to charge handle.



Compatible with all Laryngoscope blades to the ISO 7376 (green standard).

For more information see pages 088 – 089.



\*The increased charging management requirements for the applied LED Technology demand the use of a NT300 charger of the latest design generation, in order to ensure a proper and complete charging of the rechargeable batteries. HEINE NT300 chargers of the latest design generation can be identified based on the serial number on the charger's underside. NT300 desk chargers starting with serial number SN 101 1000001 and higher are compatible.



## GUARANTEE

---

HEINE makes no compromises in manufacturing high quality medical instruments. Our commitment to vertical integration in manufacturing means we control all aspects of our instrument quality, from utilising carefully selected, well-matched materials to a high level of hand assembly. This ensures that each HEINE instrument meets or exceeds all requirements in any medical environment. We stand behind this commitment with a 5 year guarantee!

**QUALITY**  
Durability  
Performance  
Function  
Safety



GENERAL MEDICINE AND ENT INSTRUMENTS

01

OPHTHALMIC INSTRUMENTS

02

LARYNGOSCOPES

03

DERMATOSCOPES

04

SPHYGMOMANOMETERS AND STETHOSCOPES

05

PROCTOLOGICAL INSTRUMENTS

06

EXAMINATION LIGHTS

07

LOUPES AND HEADLIGHTS

08

LIGHT AND POWER SOURCES

09

COMBINED DIAGNOSTIC SETS

10

CASES

11



## QUALITY HAS A NAME

### HEINE



HEINE Optotechnik, with corporate headquarters to the south of Munich, has been developing and producing top-quality diagnostic instruments since 1946. Healthcare professionals around the world consider HEINE the premier name for innovative design, performance, quality and overall value. Today, HEINE sets the standard by which all other diagnostic instruments are measured.

Still a family owned company, HEINE is now the world's largest exporter of primary, hand-held diagnostic instruments.



#### **Engineering / Manufacturing**

Working in modern production facilities in Germany and Switzerland, HEINE engineers contribute their expertise in optical fibers and glass, special alloys, advanced thermoplastics and other related fields to continually improve HEINE instruments with state-of-the-art concepts, technology and manufacturing techniques. The results of our continuing efforts are innovative designs that enhance diagnostic skills.

#### **Sales and Service**

More than 5,000 HEINE medical instrument distributors are located throughout the world. This means that the complete HEINE line is not only available everywhere, but that trained and qualified personnel stand ready to answer your questions and service your instrument should the need ever arise. Wherever your practice is or may take you, you'll find a HEINE distributor or representative nearby.



We look forward to hearing from you and to the opportunity of meeting your diagnostic instruments needs.



### Trade Mark

AllSpec®  
BETA®  
DELTA®  
EN 100®  
FlexTip®  
GAMMA®  
HEINE®  
HEINE alpha®  
HEINE AllSpec®  
HEINE BETA®  
HEINE Logo®  
HEINE OMEGA®  
HEINE SIGMA®  
HEINE XHL®  
HEINE XHL Halogen®  
i-View®  
K 180®  
mini3000®  
OMEGA®  
ParaStop®  
S-FRAME®  
S-GUARD®  
SANALON®  
SIGMA®  
UniSpec®  
XHL®

Many HEINE products are protected by international patents including Registered Designs.

3SLED  
BETA Handles  
BETA L Handle  
BETA200 Retinoscope – ParaStop  
DELTA20  
EN50 / mPack  
EN50 UNPLUGGED  
F.O. Laryngoscope  
GAMMA G  
i-View  
LAMBDA 100 Retinometer  
Laryngoscope Modular F.O.  
LED Laryngoscope Handle  
LED LoupeLight  
Li-ion Battery  
mini-c Battery Handle  
miniNT  
mini 2Z Battery  
mini3000 Battery Handle  
mPack UNPLUGGED  
NT300  
OMEGA500  
S-GUARD  
SIGMA 150  
XP Handle Shell

### Warranty



HEINE offers you a guarantee which reflects the quality and reliability of our products.

All products confirm to the European Directive 93/42/EEC concerning medical devices. They carry the **CE** mark.

#### Standard 5 Year Parts and Labor Warranty:

All HEINE products carry a 5 year parts and labor warranty against defects in materials and workmanship. This excludes disposable and consumable items as well as rechargeable batteries. For details please visit [www.heine.com](http://www.heine.com).  
HEINE. Simply the best warranty in the market.

#### Special Warranties:

Laryngoscope Blade Fibre Optic Bundle Performance Guarantee: HEINE HiLite Fiber Optic bundle in Classic+, Modular+ and SANALON+ Laryngoscope carry 5 year Performance Guarantee that ensures that the output will not fall below 1,000 lux, even after repeated Autoclave cycles (based on 4,000 cycles at 134°C/5min). This includes blades that are cleaned, sterilized, disinfected or autoclaved according to approved guidelines as stated in the "Care and Maintenance" instructions.  
For details please visit [www.heine.com](http://www.heine.com).

#### HEINE GAMMA® G-Series:

GAMMA G7 and XXL Sphygmomanometers carry an extended 10 year parts and labor warranty. For details please visit [www.heine.com](http://www.heine.com).

### HEINE Quality

In many diagnostic specialities (ENT and Direct Ophthalmoscope for example) HEINE products are organized into three groups, or "series", which then clearly identify the market position of a particular product.

### BETA

The top-of-the-line full-size "BETA" Series offers the best quality, performance and reliability. The line is characterized by the use of the highest quality materials, advanced performance features and premium finishes.

### K

The "K" Series defines the HEINE-Standard full-size instrument for professionals, far beyond usual market standards. The line is characterized by unbreakable polycarbonate construction and full-feature performance to ensure the highest level of diagnostic accuracy.

### mini

The light and ergonomic "mini" Series of quality pocket instruments is characterized by compact design in combination with high-quality polycarbonate construction, handles with automatic "off" switching and standard performance features to cover all basic diagnostic requirements.



# General Medicine and ENT Instruments

## THE BEST IN QUALITY AND PERFORMANCE

High tech materials, the latest production processes and innovative design are three factors which contribute to the excellent quality of HEINE Oscopes. They produce excellent image quality with uniquely bright and reflex-free illumination of the tympanum and auditory canal.

HEINE Oscopes are available for various applications with distal fiber optic (F.O.) or direct bulb illumination with bright HEINE XHL Xenon halogen bulbs.





HEINE Otoscopes



BETA200    K180    mini3000 F.O.    mini3000 LED F.O.    BETA100    K100    Operating otoscope    mini3000

	Housing construction							
Metal	<input type="checkbox"/>				<input type="checkbox"/>		<input type="checkbox"/>	
Polycarbonate		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	Viewing window							
Glass	<input type="checkbox"/>				<input type="checkbox"/>			
Acrylic		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
3x magnification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,5x	<input type="checkbox"/>
	Illumination							
LED F.O.			<input type="checkbox"/>					
XHL F.O.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
XHL Direct					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Instrument size							
Professional	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Compact			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>
	Available power sources							
Battery 2.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rechargeable battery 2.5V			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>
Rechargeable battery 3.5V	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Tips							
Reusable tips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>
Reusable Specula					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AllSpec Disposable tips	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UniSpec Disposable								
Specula					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tip-Adaptor					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Insufflation Bulb							
Insufflation port	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Page	009	011	012	014	017	019	021	022

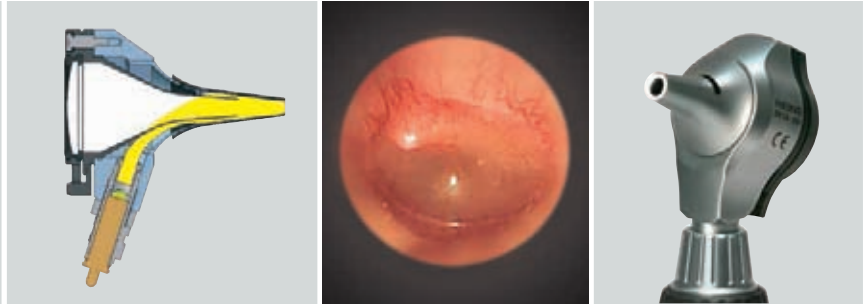
\* with Tip-Adaptor

\*\* Optional insufflation port connector available





High-quality Fiber Optic (F.O.) illumination with high-intensity XHL Xenon Halogen bulb.



### HEINE BETA® 200 Fiber Optic (F.O.) Otoscope

#### The ultimate in performance and quality

Solid, all-metal construction. A quality instrument for the physician's office with Fiber Optic (F.O.) illumination.



- ∴ **All-metal housing matt-chrome-plated.** Durable, long-lasting and easy to clean.
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **Distal Fiber Optic (F.O.) illumination with XHL Xenon Halogen Technology.** Homogenous, reflex-free illumination of ear canal and tympanum.
- ∴ Large, scratch-resistant **glass viewing window made of multi-coated optical glass with 3x magnification.** Unobstructed edge-to-edge view, distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.

- ∴ Fiber Optic (F.O.) illumination
- ∴ All-metal housing
- ∴ 3x magnification
- ∴ Silica glass viewing window

BETA 200 F.O. Otoscope	2.5V	3.5V
with 4 reusable tips, without handle	<b>B-001.11.501</b>	<b>B-002.11.501</b>
same, without tips, without handle	<b>B-001.11.500</b>	<b>B-002.11.500</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>

For information on diagnostic combined sets, please see pages 173 – 175.

### HEINE BETA® 200 Fiber Optic (F.O.) ENT Diagnostic Sets

Set complete with: **BETA 200 Fiber Optic (F.O.) Otoscope**  
 1 set (4 pcs.) of reusable tips (B-000.11.111)  
 5 of both AllSpec disposable tips 2.5 and 4 mm Ø (B-000.11.119)  
 spare bulb  
 hard case



BETA 200 F.O. Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-141.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-141.20.376</b>	<b>B-141.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-141.20.384</b>	<b>B-141.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>B-141.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>B-141.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



## HEINE BETA® 200 Fiber Optic (F.O.) Diagnostic Sets



Set complete with: **BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope,**  
1 set (4 pcs.) of reusable tips (B-000.11.111)  
5 of both AllSpec disposable tips 2.5 and 4 mm Ø (B-000.11.119)  
one spare bulb each  
hard case

BETA 200 F.O. Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-132.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-132.20.376</b>	<b>A-132.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-132.20.384</b>	<b>A-132.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-132.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-132.29.420</b>

As above, but with additional **multi-purpose illuminator**



BETA 200 F.O. Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-134.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-134.20.376</b>	<b>A-134.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-134.20.384</b>	<b>A-134.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-134.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-134.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE K180® Fiber Optic (F.O.) Otoscope

### The standard, all around Fiber Optic Otoscope



Otoscope with Fiber Optic (F.O.) illumination constructed of light, high-impact polycarbonate and **3x magnification** scratch-resistant acrylic viewing window. Otherwise technically identical to the BETA200 F.O. Otoscope.

- ∴ Fiber Optic (F.O.) illumination
- ∴ Polycarbonate construction

K180 F.O. Otoscope	2.5V	3.5V
with 4 reusable tips, without handle	<b>B-001.11.551</b>	<b>B-002.11.551</b>
same, without tips, without handle	<b>B-001.11.550</b>	<b>B-002.11.550</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>

## HEINE K180® Fiber Optic (F.O.) Diagnostic Sets

Set complete with: **K180 Fiber Optic (F.O.) Otoscope**  
 1 set (4 pcs.) of reusable tips (B-000.11.111)  
 soft pouch



K180 F.O. Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-181.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-181.20.376</b>	<b>B-181.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-181.20.384</b>	<b>B-181.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>B-181.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>B-181.29.420</b>

Set complete with **K180 Ophthalmoscope, K180 Fiber Optic (F.O.) Otoscope**  
 1 set (4 pcs.) of reusable tips (B-000.11.111)  
 hard case



K180 Combined Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-279.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-279.20.376</b>	<b>A-279.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-279.20.384</b>	<b>A-279.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-279.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-279.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



## HEINE mini3000® Fiber Optic (F.O.) Otoscope

### Compact pocket otoscope with Fiber Optic (F.O.) illumination



∴ Modern pocket otoscope

∴ Fiber Optic (F.O.) illumination

∴ Port for pneumatic testing

Modern pocket otoscope in a unique, compact design. Handy and powerful. Can only be used with the mini3000 handle system. Available in black or blue.

- ∴ **Xenon Halogen** bulbs for bright illumination and accurate colour rendering.
- ∴ **20,000 ON/OFF** switch cycles guaranteed.
- ∴ **Distal Fiber Optic (F.O.) Illumination:** Reflex-free illumination of tympanum and ear canal.
- ∴ **Viewing window with 3x magnification and optimized casing surface for razor-sharp images and minimal reflection. Swivelling viewing window built into instrument.**
- ∴ **Pneumatic testing** of the tympanum mobility by using the insufflation port and an optional connector.
- ∴ **Attachment clip with integrated on/off switch.** Switches off automatically when returned to the pocket.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.\*
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other handles.
- ∴ **Award-winning design.** Maximum quality with minimum dimensions.

mini3000 F.O. Otoscope	2.5V
with mini3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	<b>D-001.70.120</b>
with mini3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	<b>D-001.70.110</b>
mini3000 F.O. Otoscope head <b>without handle</b> and without accessories	<b>D-001.70.106</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.105</b>
Insufflation port connector for mini3000 F.O. Oscopes	<b>D-000.80.101</b>



\*To upgrade to a rechargeable instrument with mini NT table charger, please see page 158.

HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

HEINE mini3000® Fiber Optic (F.O.) Diagnostic Sets



Set complete with: **mini3000 Fiber Optic (F.O.) Otoscope**  
 1 set (4 pcs.) reusable tips (B-000.11.111)  
 5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)  
 hard case

<b>mini3000 Fiber Optic (F.O.) Diagnostic Sets</b>	<b>2.5V</b>
mini3000 battery handle with batteries	<b>D-851.10.021</b>



Set complete with: **mini3000 Ophthalmoscope, mini3000 F.O. Otoscope,**  
 1 set (4 pcs.) reusable tips (B-000.11.111)  
 5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)  
 hard case

<b>mini3000 Fiber Optic (F.O.) Diagnostic Sets</b>	<b>2.5V</b>
2 mini3000 battery handles with batteries	<b>D-873.11.021</b>



HEINE mini3000® LED Fiber Optic (F.O.) Otoscope  
 with LED Illumination in HEINE Quality HQ



- ⚡ Maintenance-free pocket instrument
- ⚡ Bright LED illumination
- ⚡ Up to 10 hours operation time

Modern otoscope with maintenance-free LED illumination. Twice as bright as a conventional Xenon Halogen instrument.

All of the features of the mini3000 F.O. Otoscope, with the addition of:

- ⚡ **Maintenance-free**, no need to ever exchange the LED.
- ⚡ LED Thermal management for a **consistent light output throughout the whole working life**.
- ⚡ High-performance-LED: bright and absolutely homogeneous **illumination with excellent colour rendering** – colour temperature 4000K, colour rendering index >95, and >90 rendering index of the colour red.
- ⚡ **Twice as bright as** Xenon Halogen instruments.
- ⚡ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ⚡ **Exclusive fade-out function** reduces illumination intensity with battery level to let you know when to replace.
- ⚡ **Operation time up to 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.

mini 3000 LED F.O. Otoscope	2.5V
with mini3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	<b>D-008.70.120</b>
with mini3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	<b>D-008.70.110</b>
mini3000 LED F.O. Otoscope head <b>without handle</b> and without accessories	<b>D-008.70.106</b>
Insufflation port connector for mini3000 F.O. Otoscopes	<b>D-000.80.101</b>



\*To upgrade to a rechargeable instrument with mini NT table charger, please see page 158.

HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

HEINE mini3000® LED Fiber Optik (F.O.) Diagnostik Sets



Set complete with: **mini3000 LED Fiber Optic (F.O.) Otolaryngoscope**  
1 set (4 pcs.) reusable tips (B-000.11.111)  
5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)  
hard case

<b>mini 3000 LED Fiber Optic (F.O.) Diagnostic Sets</b>	<b>2.5V</b>
mini3000 battery handles with batteries	<b>D-885.20.021</b>



Set complete with: **mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otolaryngoscope**,  
1 set (4 pcs.) reusable tips (B-000.11.111)  
5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)  
hard case

<b>mini3000 LED Fiber Optic (F.O.) Diagnostic Sets</b>	<b>2.5V</b>
2 mini3000 battery handles with batteries	<b>D-886.11.021</b>

HEINE AllSpec® Disposable tips



- ⊗ **For single use.** Hygienic, no cross-infection.
- ⊗ **Original HEINE design.** Firm fit to the otoscope head.
- ⊗ **Assured quality.** No sharp edges.



<b>AllSpec Disposable tips (grey)</b>	
<b>for BETA200, K180, mini3000 F.O., mini3000 Otolaryngoscopes</b>	
Pack of 1000 pcs. 2.5 mm dia. (infants) [03]	<b>B-000.11.128</b>
Pack of 1000 pcs. 4 mm dia. (adults) [03]	<b>B-000.11.127</b>
Case of 10 dispenser packs of 250 tips, 2.5 mm dia (infants) [01]	<b>B-000.11.151</b>
Case of 10 dispenser packs of 250 tips, 4 mm dia (adults) [01]	<b>B-000.11.150</b>
AllSpec Tip-dispenser [02]	<b>B-000.11.148</b>

**AllSpec Tip-dispenser** incl. tips Ø 2.5 mm and 4 mm [02].  
**The right size, visible and instantly available.** A clean new tip for each and every patient.

⊗: Single use only.

## Reusable tips

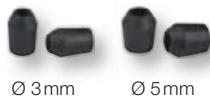


- **Made of high-density SANALON S plastic with smooth external finish.** Easy to clean. All common germicides can be used. Autoclavable at up to 134 °C.
- **Ergonomic shape.** Painless atraumatic insertion.
- **Positive locking design.** Firm fit to the otoscope head.

Reusable tips (black)	1 piece	50 pieces
<b>for BETA200, K180, mini3000 F.O., mini3000 Otoscopes</b>		
Reusable tip 2.4 mm dia.	B-000.11.107	B-000.11.207
Reusable tip 3.0 mm dia.	B-000.11.108	B-000.11.208
Reusable tip 4.0 mm dia.	B-000.11.109	B-000.11.209
Reusable tip 5.0 mm dia.	B-000.11.110	B-000.11.210
Reusable nasal speculum 10 mm dia. (only for mini3000 Otoscopes)	B-000.11.143	B-000.11.206

1 set = 4 pcs. reusable tips SANALON S 2.4/3/4/5 mm dia. **B-000.11.111**

## Soft Disposable tips for reusable tips



- **Fits over the end of the AllSpec tip to protect the auditory canal.**

Soft disposable tips (black)	
Soft disposable tip 3 mm dia. 40 pcs./1 pack	B-000.11.141
Soft disposable tip 5 mm dia. 40 pcs./1 pack	B-000.11.142

⊗: Single use only.

## Insufflation Bulb

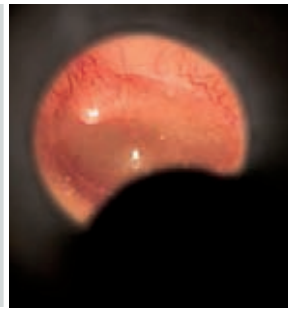
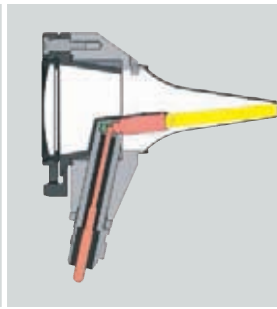


- **For pneumatic testing.**

Insufflation bulb for BETA200 and K180 Otoscopes	B-000.11.240
Insufflation bulb for mini3000 F.O. Otoscope with connector	D-000.80.102
Insufflation port connector for mini3000 F.O. Otoscope	D-000.80.101



Bright XHL Xenon Halogen direct illumination.



### HEINE BETA® 100 Diagnostic Otoscope

#### Diagnostic Otoscope with an all-metal housing



An otoscope with direct Xenon Halogen illumination in an elegant all-metal instrument head. Unusually-versatile in combination with nasal and spreadable specula for easy instrumentation.

For use with reusable specula or UniSpec disposable specula. With tip-adaptor (B-000.11.306) it is also possible to use AllSpec disposable tips.

- ∴ **All-metal housing.** Exceptionally tough and durable.
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large, scratch-resistant glass viewing window with 3x magnification.** Unobstructed view, distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.
- ∴ **Extensive choice of accessories.** Very versatile e.g. for nasal examination.

- ∴ All-metal housing
- ∴ Silica glass viewing window
- ∴ Easy instrumentation



[01]

BETA100 Diagnostic Otoscope	2.5V	3.5V
with 6 reusable specula, without handle	B-001.11.527	B-002.11.527
without specula, without handle	B-001.11.525	B-002.11.525

XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049
------------------------------	--------------	--------------

Replacement sleeve for bulb. Reduces reflexes. [01]	B-000.11.212
---	--------------



HEINE BETA® 100 ENT Diagnostic Sets



Set complete with: **BETA100 Diagnostic Otoscope**  
 1 set (6 pcs.) of reusable specula (B-000.11.221)  
 10 UniSpec disposable specula, 4 mm dia. (B-000.11.237)  
 spare bulb  
 hard case

BETA100 Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-236.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-236.20.376</b>	<b>B-236.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-236.20.384</b>	<b>B-236.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>B-236.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>B-236.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE BETA® Diagnostic Set



Set complete with: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoscope,**  
 1 set (6 pcs.) of reusable specula (B-000.11.221)  
 10 UniSpec disposable specula, 4 mm dia. (B-000.11.237)  
 one spare bulb each  
 hard case

BETA Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-234.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-234.20.376</b>	<b>A-234.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-234.20.384</b>	<b>A-234.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-234.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-234.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE® K100 Diagnostic Otoscope

### Diagnostic Otoscope with a high-impact polycarbonate housing



∴ Polycarbonate construction

∴ Easy instrumentation

A very cost-effective diagnostic otoscope with direct Xenon Halogen illumination. The head is moulded in high-impact polycarbonate.

For use with reusable specula or UniSpec disposable specula. With tip-adaptor (B-000.11.306) it is also possible to use AllSpec disposable tips.

- ∴ **Polycarbonate construction.** Shock-resistant.
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large acrylic viewing window with 3x magnification.** Sharply-focused distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.

K100 Diagnostic Otoscope	2.5V	3.5V
with 3 reusable specula 3.5/4.5/5.5 mm dia., without handle	<b>B-001.11.576</b>	<b>B-002.11.576</b>
without specula, without handle	<b>B-001.11.575</b>	<b>B-002.11.575</b>



[01]

XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>
------------------------------	---------------------	---------------------

Replacement cover for bulb [01] Reduces reflexes.	<b>B-000.11.212</b>	
---	---------------------	--

## HEINE® K100 ENT Diagnostic Sets

Set complete with: **K100 Diagnostic Otoscope**  
1 set (6 pcs.) of reusable specula (B-000.11.221)  
spare bulb  
soft pouch





K100 Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-237.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-237.20.376</b>	<b>B-237.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-237.20.384</b>	<b>B-237.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>B-237.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>B-237.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE® K100 ENT Diagnostic Sets

Set complete with: **K100 Diagnostic Otoscope**  
3 reusable specula (B-000.11.222)  
soft pouch



K100 Otoscope Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>B-245.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-245.20.376</b>	<b>B-245.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-245.20.384</b>	<b>B-245.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>B-245.20.420</b>	
 BETA L rechargeable handle and NT300 charger			<b>B-245.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE Operating Otoscope

### The greatest flexibility and most options for instrumentation



An all-round otoscope for instrumentation under magnification. Both the lens and speculum can be swivelled. Ideal for use with nasal and spreadable specula.

For use with reusable specula and UniSpec disposable specula. With tip-adaptor (B-000.11.306) it is also possible to use AllSpec disposable tips.

- ∴ **Open construction.** Ideal for instrumentation.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Swivelling lens and speculum.** Clears the way for access and examination under magnification and illumination.
- ∴ **2.5x lens in protective frame.** Prevents scratching.
- ∴ **The relative positions of light bulb and speculum can be fixed.** Helps with instrumentation, easily returned to normal position.

HEINE Operating Otoscope	2.5V	3.5V
with 1 set = 6 reusable specula, without handle	<b>B-001.11.494</b>	<b>B-002.11.494</b>
without specula, without handle	<b>B-001.11.492</b>	<b>B-002.11.492</b>

XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>
------------------------------	---------------------	---------------------

## HEINE Operating Otoscope ENT Diagnostic Sets



Set complete with: **Operating Otoscope**

1 set (6 pcs.) of reusable specula (B-000.11.221)

10 UniSpec disposable specula, 4 mm dia. (B-000.11.237)

spare bulb

hard case

Operating Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-188.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-188.20.376</b>	<b>B-188.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-188.20.384</b>	<b>B-188.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>B-188.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>B-188.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



## HEINE mini3000® Otoscope

### Compact pocket otoscope with direct illumination



- ∴ Modern pocket otoscope
- ∴ Switches off automatically
- ∴ Optional rechargeable handle

Modern pocket otoscope in a unique, compact design. Can only be used with the mini3000 handle system. Available in black or blue.

- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **Enhanced XHL Xenon Halogen Technology with 100% more light compared with conventional bulbs.** Very bright, concentrated white light for perfect illumination.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **Viewing window with 3x magnification** and optimized casing surface for razor-sharp images and minimal reflection.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **High-quality handle: Chrome-finish upper section/ refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger\*.

<b>mini3000 Otoscope</b>	<b>2.5V</b>
with mini3000 battery handle and 1 set (4 pcs.) reusable tips and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries	<b>D-001.70.220</b>
with mini3000 battery handle and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries	<b>D-001.70.210</b>
with bulb, <b>without handle</b> and without accessories	<b>D-001.70.206</b>



XHL Xenon Halogen spare bulb	<b>X-001.88.110</b>
------------------------------	---------------------

For information on combined sets, please see pages 173 – 175.

\*To upgrade to a rechargeable instrument with mini NT table charger, please see page 158.

## HEINE mini3000® Diagnostic Sets



Set complete with: **mini3000 Otoscope**  
 1 set (4 pcs.) reusable tips  
 5 each of 2.5 and 4 mm dia. AllSpec disposable tips  
 hard case

<b>mini3000 Diagnostic Sets</b>	<b>2.5V</b>
mini3000 battery handle with batteries	<b>D-851.20.021</b>



Set complete with: **mini3000 Ophthalmoscope, mini3000 Otoscope,**  
 1 set (4 pcs.) reusable tips  
 5 each of 2.5 and 4 mm dia. AllSpec disposable tips  
 hard case

<b>mini3000 Diagnostic Sets</b>	<b>2.5V</b>
2 mini3000 battery handles with batteries	<b>D-873.21.021</b>

### HEINE UniSpec® Disposable Ear Specula



2,5 mm dia.



4 mm dia.



- ∴ **Disposable.** Hygienic and safe.
- ∴ **Original HEINE design and manufacture.** Fit positively to the otoscope.
- ∴ **Assured quality.** No sharp edges.
- ∴ **A clean, new speculum for each and every patient.** The right size visible and instantly available.

#### UniSpec Disposable Ear Specula (grey)

for BETA100, K100, Operating Otoscope

Pack of 1000, 2,5 mm dia. (infants) 1000 pcs./1 pack	B-000.11.242
Pack of 1000, 4 mm dia. (adults) 1000 pcs./1 pack	B-000.11.241
UniSpec tip dispenser	B-000.11.146

⊗: Single use only.

### Reusable Specula



2.2mm dia.



2.8mm dia.



3.5mm dia.



4.5mm dia.



5.5mm dia.



10mm dia.

- ∴ **Moulded in high-density SANALON S, smooth surface.** Easy to clean, can be disinfected with conventional solutions. Autoclavable at 134 °C.
- ∴ **Ergonomic Design.** Painless and atraumatic insertion.
- ∴ **Metal security lock with bayonet fitting.** Long-lasting, positive fit to the otoscope.

#### Reusable Specula (black)

for BETA100, K100 and Operating Otoscope

1 set = 5 ear specula and 1 nose speculum	B-000.11.221
3 specula 3.5/4.5/5.5mm dia.	B-000.11.222
Ear speculum 2.2mm dia.	B-000.11.215
Ear speculum 2.8mm dia.	B-000.11.216
Ear speculum 3.5mm dia.	B-000.11.217
Ear speculum 4.5mm dia.	B-000.11.218
Ear speculum 5.5mm dia.	B-000.11.219
Nose speculum 10mm dia.	B-000.11.220

### Spreadable Nasal Speculum



- ∴ **All-metal construction.** Anatomically-correct rounded shape. Non-injuring.
- ∴ **For use with Operating Otoscope, BETA100 Diagnostic Otoscope and Fiber Optic Nasal Illuminator.**

Spreadable Nasal Speculum	B-000.11.231
---------------------------	--------------

Not recommended for use with K100 Diagnostic Oscopes.

## Universal Speculum



- ∴ **All-metal construction.** Opens symmetrically from 2.5 to 15mm.
- ∴ **Rotate ring to open branches.** Stays put in any position.
- ∴ **For use with Operating Otoscope, BETA100 Diagnostic Otoscope and Fiber Optic Nasal Illuminator.**

Universal Speculum
--------------------

B-000.11.239
--------------

Not recommended for use with K100 Diagnostic Oscopes.

## Tip-Adaptor



- ∴ **All-metal construction.** Adaptor for AllSpec disposable tips (p. 15) for use with diagnostic (BETA100, K100) and operating otoscope.

Tip-Adaptor
-------------

B-000.11.306
--------------

## Insufflation Bulb



For Diagnostic Oscopes.

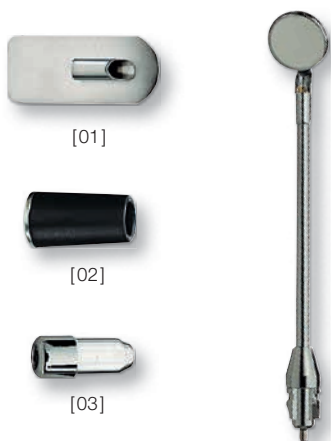
- ∴ **For pneumatic testing.**

Insufflation bulb for BETA 100 and K100 Oscopes
---

B-000.11.240
--------------



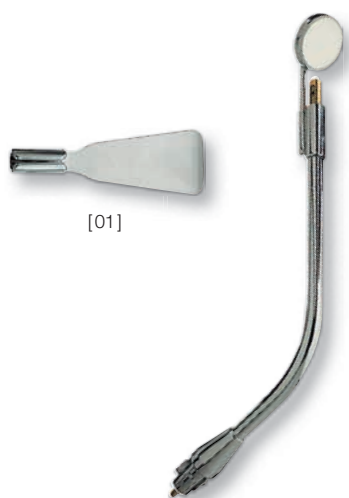
## Straight Laryngeal Mirror



- **A range of accessories make this instrument particularly versatile.**
- **Enhanced XHL Xenon Halogen Technology.** Concentrated illumination of oral cavity and pharynx.
- **Solid metal construction.** Durable and tough.

Straight Laryngeal Mirror	2.5V	3.5V
complete with plane mirror 20mm dia., without handle	<b>B-001.12.101</b>	<b>B-002.12.101</b>
without mirror, without handle	<b>B-001.12.109</b>	<b>B-002.12.109</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.057</b>	<b>X-002.88.063</b>
Plane mirror 20mm dia.		<b>B-000.12.103</b>
Concave mirror 20 mm dia. (magnifying)		<b>B-000.12.104</b>
Metal tongue-depressor [01]		<b>B-000.12.105</b>
Transilluminator [02]		<b>B-000.12.106</b>
Protective cap for bulb (for mouth illumination) [03]		<b>B-000.12.107</b>

## Curved Laryngeal Mirror



Assists examination with improved view of the larynx.

Curved Laryngeal Mirror	2.5V	3.5V
complete with plane mirror 20mm dia., without handle	<b>B-001.12.201</b>	<b>B-002.12.201</b>
without mirror, without handle	<b>B-001.12.208</b>	<b>B-002.12.208</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.062</b>
Plane mirror 20mm dia.		<b>B-000.12.203</b>
Concave mirror 20mm dia. (magnifying)		<b>B-000.12.204</b>
Metal tongue-depressor [01]		<b>B-000.12.205</b>

## HEINE mini3000® Laryngeal Mirror



Can only be used with the mini3000 handle system.

- **A range of accessories make this instrument particularly versatile (see above).**
- **Enhanced XHL Xenon Halogen Technology.** Concentrated illumination of oral cavity and pharynx.
- **Solid metal construction.** Durable and tough.

mini3000 laryngeal mirror	2.5V
with plane mirror 20mm dia, without handle	<b>D-001.77.101</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.057</b>

## Tongue-Blade Holder

### For wooden tongue-blades



- **XHL Xenon Halogen Technology.** Concentrated illumination of oral cavity and pharynx.
- **Light-guide for bulb.** Avoids dazzle.

Tongue-Blade Holder	2.5V	3.5V
for wooden tongue-blades, without handle	<b>B-001.12.302</b>	<b>B-002.12.302</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>
Replacement light-guide for bulb [01]		<b>B-000.12.308</b>

## Tongue-Blade Holder

### With Blade Ejector for use with HEINE Disposable Tongue-Blades



- **XHL Xenon Halogen Technology.** Concentrated illumination of oral cavity and pharynx.
- **Light-guide for bulb.** Avoids dazzle.
- **Blade ejector.** No need to touch used blades.
- **Only for HEINE Disposable Tongue-Blades.**
- **Disposable plastic tongue blades.** Strong and hygienic.

Tongue-Blade Holder	2.5V	3.5V
with blade ejector, without handle	<b>B-001.12.305</b>	<b>B-002.12.305</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>
Pack of 100 disposable plastic tongue-blades		<b>B-000.12.304</b>

## HEINE mini3000® Tongue-Blade Holder

### With blade ejector for HEINE Disposable Tongue-Blades

Can only be used with the mini3000 handle system.  
Available in black or blue.



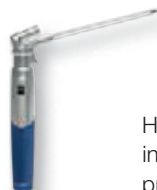
- ∴ **Solid metal construction.** Durable and tough.
- ∴ **Finger-tip pressure releases the used blade.** No need to touch the blade after use.
- ∴ **Enhanced XHL Xenon Halogen Technology.** Very bright white light. Concentrated illumination of oral cavity and pharynx.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
- ∴ **Only for HEINE Disposable Tongue-Blades.** Strong and hygienic.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with miniNT table charger\*.



<b>mini3000 Tongue-Blade Holder</b>	<b>2.5V</b>
complete with mini3000 battery handle and 5 disposable blades, with batteries	<b>D-001.74.118</b>
Tongue-blade holder head with bulb, <b>without handle</b>	<b>D-001.74.100</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>
Pack of 100 disposable plastic tongue-blades	<b>B-000.12.304</b>



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.



HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

### Multi-purpose Illuminator



- ∴ **XHL Xenon Halogen Technology.** Bright, concentrated light.
- ∴ **Wide range of applications.** Used as a diagnostic light or tongue-depressor for wooden or disposable blades.

Multi-purpose Illuminator	2.5V	3.5V
Multi-purpose Illuminator	<b>B-001.12.320</b>	<b>B-002.12.320</b>

XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>
------------------------------	---------------------	---------------------

### Fiber Optic Nasal Illuminator



Accessory for Multi-purpose Illuminator (see above).

- ∴ **Fiber Optic Nasal Illuminator.** For specula and spreadable nasal speculum.

Fiber Optic Nasal Illuminator	<b>B-000.12.321</b>
-------------------------------	---------------------

### Fiber Optic Nasal Illuminator



[01]

[02]

Fiber Optic Nasal Illuminator	2.5V	3.5V
complete with nasal speculum	<b>B-001.12.322</b>	<b>B-002.12.322</b>
same, with spreadable nasal speculum	<b>B-001.12.323</b>	<b>B-002.12.323</b>

XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>
------------------------------	---------------------	---------------------

Nasal speculum for above [01]	<b>B-000.11.220</b>
Spreadable nasal speculum for above [02]	<b>B-000.11.231</b>

HEINE ENT Diagnostic Sets



Set complete with: **BETA100 Diagnostic Otolaryngology**

- 3 reusable specula (B-000.11.222)
- tongue-depressor for disposable tongue-blades
- straight laryngeal mirror without accessories
- spreadable nose speculum
- one spare bulb each
- hard case

ENT Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-244.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-244.20.376</b>	<b>B-244.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-244.20.384</b>	<b>B-244.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>B-244.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>B-244.29.420</b>



Set complete with: **K100 Diagnostic Otolaryngology**

- 3 reusable specula (B-000.11.222)
- tongue-depressor for wooden tongue-blades
- one spare bulb for each instrument
- hard case

ENT Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>B-241.10.118</b>		
BETA R rechargeable handle for mains socket		<b>B-241.20.376</b>	<b>B-241.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>B-241.20.384</b>	<b>B-241.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>B-241.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>B-241.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE® mini-c Clip Lamp

## Compact, long-life pocket diagnostic light



Sturdy, long-life pocket diagnostic light in a compact, modern design with chrome head. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb.

mini-c Clip Lamp only fits mini-c handles. The mini-c handle is not compatible with mini3000 instruments. Handle available in black or blue.

- ∴ **Clip Lamp with Ear Light for otoplasty.** The Ear Light is used to ensure that hearing aids fit correctly.
- ∴ **Compact, oval, attractive light.** Lies ergonomically in the hand.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AAA.
- ∴ **Registered Design.**

mini-c Clip Lamp	2.5V
with batteries (in blister pack) [01]	<b>D-001.73.109</b>
with Ear Light with batteries (in blister pack) [02]	<b>D-001.73.103</b>

Ear Light for mini-c Clip Lamp, 6 pieces in blister pack [03]	<b>D-000.73.105</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.108</b>



HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. HEINE mini3000 Clip Lamp and mini-c Clip Lamp attachments are only available with a chrome head. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

HEINE mini3000® Clip Lamp

Compact, long-life pocket diagnostic light

Sturdy, long-life pocket diagnostic lights in a compact, modern design with chrome head. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb.

Can only be used with the mini3000 handle system. Handle available in black or blue.



- ∴ **Compact, oval, attractive light.** Lies ergonomically in the hand.
  - ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
  - ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared with conventional bulbs.** Bright, focused light.
  - ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
  - ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
  - ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with miniNT table charger\*.
- ∴ **Ear Light for otoplasty [02].** The Ear Light is used to ensure that hearing aids fit correctly.

- ∴ Long-life pocket light
- ∴ Switches off automatically
- ∴ Optional rechargeable handle



<b>mini3000 Clip Lamp</b>	<b>2.5V</b>
complete with mini3000 battery handle, with batteries [01]	<b>D-001.73.131</b>
mini3000 Clip Lamp head <b>without handle</b>	<b>D-001.73.130</b>
Ear Light for mini3000 Clip Lamp, 6 pieces in blister pack [02]	<b>D-000.73.105</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.107</b>



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.

HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. HEINE mini3000 Clip Lamp and mini-c Clip Lamp attachments are only available with a chrome head. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



## HEINE mini3000® Combi Lamp

### Compact, all purpose illuminator with integrated tongue-blade holder

Sturdy, long-life pocket diagnostic light in a compact, modern design. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb.

Can only be used with the mini3000 handle system.  
Available in black or blue.

- ∴ **Many applications.** Can be used as a general illuminator and as an illuminated tongue-blade holder for wooden blades and HEINE disposable blades.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared with conventional bulbs.** Bright, focused light.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with miniNT table charger\*.



[01]

<b>mini3000 Combi Lamp</b>	<b>2.5V</b>
on mini3000 Battery Handle with 5 disposable blades and batteries	<b>D-001.76.120</b>
<b>without handle</b>	<b>D-001.76.101</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.107</b>
Box of 100 disposable tongue-blades [01]	<b>B-000.12.304</b>

For information on combined sets, please see page 175.



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.

HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



# Veterinary ENT diagnostic instruments

## RELIABLE, LONG-LASTING INSTRUMENTS

The HEINE veterinary range offers instruments of the highest quality and functionality as well as HEINE XHL Xenon halogen bulbs and innovative power sources.

HEINE VET instruments are subjected to ongoing quality assurance checks. They stand up to the demands of the busiest veterinary practice and assure optimum levels of diagnosis and treatment.





HEINE Veterinary ENT diagnostic instruments



Slit Illumination Head



BETA200 F.O.  
 VET Otoscope



BETA100  
 VET Otoscope

	Housing construction		
Metal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Swivel lens – Magnification		
Glass/Magnification 2x	<input type="checkbox"/>		
Glass/Magnification 2,5x		<input type="checkbox"/>	<input type="checkbox"/>
	Illumination		
F.O.	<input type="checkbox"/>	<input type="checkbox"/>	
Direct			<input type="checkbox"/>
	Instrument size		
Professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Available power sources		
Battery 2.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rechargeable battery 3.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Tips		
Long, closed specula	<input type="checkbox"/>		
Slit metal specula, open	<input type="checkbox"/>		
Short, closed specula	<input type="checkbox"/>		
UniSpec VET disposable tips	<input type="checkbox"/>		
Tip adaptor	<input type="checkbox"/>		
VET reusable specula		<input type="checkbox"/>	<input type="checkbox"/>
AllSpec disposable tips (with adaptor)			<input type="checkbox"/>
Insufflation port		<input type="checkbox"/>	<input type="checkbox"/>
Page	035	037	037

\* with Adaptor

## Slit Illumination Head and accessories



- ⋄ **Solid metal construction.** Will last a lifetime.
- ⋄ **Slit instrument head.** Simplifies the use of instruments.
- ⋄ **Fiber optics illumination.** Bright, homogeneous light.
- ⋄ **Multi-coated, scratch-resistant swivel lens with 1.6x magnification.** High-resolution image.
- ⋄ **Simple open construction.** Easy to clean and disinfect with conventional solutions.
- ⋄ **Double bayonet lock for specula.** Specula mounted firmly by double lock.

Slit Illumination Head	2.5V	3.5V
with swivel lens	<b>G-001.21.301</b>	<b>G-002.21.301</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>
Swivel lens	<b>G-000.21.209</b>	

## Long, closed specula

### for Slit Illumination Head

For use with the Slit Illumination Head.



57 mm 65 mm 90 mm 150 mm  
4 mm dia. 6 mm dia. 7 mm dia. 10 mm dia.

- ⋄ **Metal construction, chrome-plated.** Easy to clean, disinfect and sterilize.
- ⋄ **Double bayonet lock for specula.** Firm mounting of specula to head.

Closed specula for Slit Illumination Head	
57 mm long / 4 mm dia.	<b>G-000.21.330</b>
65 mm long / 6 mm dia.	<b>G-000.21.331</b>
90 mm long / 7 mm dia.	<b>G-000.21.332</b>
150 mm long / 10 mm dia.	<b>G-000.21.350</b>

## Slit metal specula, open

### for Slit Illumination Head

For use with the Slit Illumination Head.



65 mm long 90 mm long  
6 mm dia. 7 mm dia.

- ⋄ **High-quality chrome-plated metal construction.** Easy to clean, disinfect and sterilize.
- ⋄ **Matt internal surfaces.** Reduced reflexes.
- ⋄ **60° opening with rounded edges.** Ideal for instrumentation, atraumatic insertion.
- ⋄ **Double bayonet fitting.** Positive fit.

Slit metal specula for Slit Illumination Head	
65 mm long / 6 mm dia.	<b>G-000.21.341</b>
90 mm long / 7 mm dia.	<b>G-000.21.342</b>

### Short, closed specula

#### for Slit Illumination Head and BETA100 VET Otoscope



5,5 mm dia. 4,5 mm dia. 3,5 mm dia.



2,8 mm dia. 2,2 mm dia.



- ⌘ **Made of high-density SANALON S with a smooth external surface.** Dust and germs are easily removed. Disinfection and autoclaving at up to 134 °C is possible.
- ⌘ **Ergonomic shape.** Painless atraumatic insertion.
- ⌘ **Integral metal ring with 2 bayonet locks.** Firm mounting of specula to head.
- ⌘ **40 mm long.**

#### Short, closed SANALON S specula

##### for Slit Illumination Head and BETA100 VET Otoscope

1 set = 5 veterinary specula in SANALON S	<b>G-000.21.316</b>
40 mm long / 2.2 mm dia.	<b>G-000.21.310</b>
40 mm long / 2.8 mm dia.	<b>G-000.21.311</b>
40 mm long / 3.5 mm dia.	<b>G-000.21.312</b>
40 mm long / 4.5 mm dia.	<b>G-000.21.313</b>
40 mm long / 5.5 mm dia.	<b>G-000.21.314</b>

### HEINE UniSpec® disposable ear specula

#### for BETA100 and with Adaptor for Slit Illumination Head



2,5 mm dia.



4 mm dia.



[01]

The adaptor illustrated [01] is necessary when using UniSpec specula with the Slit Illumination Head.

- ⌘ **No cleaning necessary.** Saves time.
- ⌘ **Hygienic and safe.** Eliminates cross-infection.
- ⌘ **Packed in units of 1000.** Assures a competitive price.
- ⌘ **Original HEINE design and manufacture.** Guaranteed good fit to the instrument head.

#### UniSpec disposable ear specula (grey)

Pack of 1000 UniSpec disposable specula 2.5 mm dia.	<b>B-000.11.242</b>
Pack of 1000 UniSpec disposable specula 4 mm dia.	<b>B-000.11.241</b>
Adaptor for use with Slit Illumination Head [01]	<b>G-000.21.302</b>

⊗: Single use only.

### Spreadable speculum for Slit Illumination Head



This versatile instrument is widely used as a universal speculum for small animals.

- ⌘ **For use with the Slit Illumination Head.**
- ⌘ **Distal jaw opens up to 28 mm with 4 click-stops.** Useful for examination and therapy.
- ⌘ **High-quality, chrome-plated metal construction.** Easy to clean, disinfect and sterilize.
- ⌘ **Matt internal surfaces.** Avoids reflexes.
- ⌘ **Oval branches with rounded edges.** Ideal for instrumentation, atraumatic.
- ⌘ **2 bayonet locks.** Firm mounting of spreadable Speculum to head.

Spreadable speculum for Slit Illumination Head (95 mm long)	<b>G-000.21.360</b>
---	---------------------

### HEINE BETA® 200 Fiber Optic (F.O.) VET Otoscope

#### Veterinary Otoscope with Fiber Optic illumination



Fiber Optic (F.O.) illumination

Solid, all-metal construction. A quality instrument for the Vet's office with Fiber Optic (F.O.) illumination. Insufflation port. The swivel window features an airtight seal.

- ⋆ **Distal Fiber Optic illumination.** Perfectly even illumination of auditory canal and tympanum.
- ⋆ **Large, scratch-resistant glass viewing window with 2.5x magnification.** Unobstructed view, distortion-free image.
- ⋆ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ⋆ **Insufflation port.** Reliable test of tympanic mobility.
- ⋆ **Durable metal body, matt chrome-plated.** Unbreakable, long-life.
- ⋆ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ⋆ **For use with reusable SANALON S VET Specula (G-000.21.213).**
- ⋆ **Instrument head matt-black inside.** Eliminates reflexes.

<b>BETA 200 VET Otoscope</b>	<b>2.5V</b>	<b>3.5V</b>
without specula, without handle	<b>G-001.21.250</b>	<b>G-002.21.250</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.077</b>	<b>X-002.88.078</b>

### HEINE BETA® 100 VET Otoscope

#### Veterinary Otoscope with direct illumination



Direct Xenon Halogen illumination

Otoscope with all-metal construction and direct Xenon Halogen illumination. Suitable for use with short, closed specula. With the use of the VET adaptor, it is possible to fit reusable VET specula for ear examinations.

- ⋆ **All-metal housing.** Exceptionally-tough and long-lasting.
- ⋆ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ⋆ **Large, scratch-resistant glass viewing window with 2.5x magnification.** Unobstructed view, distortion-free image.
- ⋆ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ⋆ **Insufflation port.** Reliable test of tympanic mobility.
- ⋆ **Can be used with short, closed specula G-000.21.316 (no adaptor required).**
- ⋆ **Versatile, useful for very small animals.**
- ⋆ **Instrument head matt-black inside.** Eliminates reflexes.

<b>BETA 100 VET Otoscope</b>	<b>2.5V</b>	<b>3.5V</b>
without specula, without handle	<b>G-001.21.260</b>	<b>G-002.21.260</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>
Adaptor for reusable SANALON S VET specula [01]	<b>G-000.21.214</b>	
Adaptor for AllSpec tips [02]	<b>B-000.11.306</b>	

[01]

[02]

## Reusable VET specula

### for BETA200 or BETA100 with adaptor



- ∴ **Made of high-density SANALON S with a smooth external surface.** Dust and germs are easily removed. Disinfection and autoclaving at up to 134 °C is possible.
- ∴ **Ergonomic shape.** Atraumatic.
- ∴ **Convenient fixation system.** Positive fit to otoscope head.

#### Reusable SANALON S specula

1 set = 3 reusable SANALON S specula	<b>G-000.21.213</b>
61 mm long / 4 mm dia.	<b>G-000.21.210</b>
61 mm long / 6 mm dia.	<b>G-000.21.211</b>
61 mm long / 9 mm dia.	<b>G-000.21.212</b>

## HEINE AllSpec® Disposable tips

### for BETA200 or BETA100 with adaptor



- ∴ **For single use.** Hygienic, no cross-infection.
- ∴ **Original HEINE design.** Firm fit to the otoscope head.
- ∴ **Assured quality.** No sharp edges.

#### AllSpec Disposable tips (grey)

Pack of 1000 pcs. 2.5 mm dia. [03]	<b>B-000.11.128</b>
Pack of 1000 pcs. 4 mm dia. [03]	<b>B-000.11.127</b>
Case of 10 dispenser packs of 250 tips, 2.5 mm dia [01]	<b>B-000.11.151</b>
Case of 10 dispenser packs of 250 tips, 4 mm dia [01]	<b>B-000.11.150</b>
AllSpec Tip-dispenser [02]	<b>B-000.11.148</b>

#### AllSpec Tip-dispenser [02]

**The right size, visible and instantly available.** A clean new tip for each and every patient. Contents: 50 pcs. Ø 2.5 mm and 50 pcs. Ø 4 mm.

⊗: Single use only.

## Insufflation Bulb

### For BETA200VET and BETA100VET Otoscope.



- ∴ **For pneumatic testing.**

Insufflation bulb	<b>B-000.11.240</b>
-------------------	---------------------

HEINE Veterinary Diagnostic Sets

Set complete with: **Slit illumination head**  
 1 set long, closed specula (57 x 4 mm, 65 x 6 mm, 90 x 7 mm)  
 1 spare bulb  
 hard case



Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>G-112.10.118</b>		
BETA R rechargeable handle for mains socket		<b>G-112.20.376</b>	<b>G-112.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>G-112.20.384</b>	<b>G-112.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>G-112.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>G-112.29.420</b>

Set complete with: **Slit illumination head, BETA200 Ophthalmoscope**  
 1 set long, closed specula (57 x 4 mm, 65 x 6 mm, 90 x 7 mm)  
 1 spare bulb for each instrument  
 hard case





Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>G-148.10.118</b>		
BETA R rechargeable handle for mains socket		<b>G-148.20.376</b>	<b>G-148.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>G-148.20.384</b>	<b>G-148.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>G-148.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>G-148.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE Veterinary Diagnostic Sets





Set complete with: **Slit illumination head, BETA200 Ophthalmoscope**  
 5 short, closed SANALON S specula  
 10 UniSpec disposable ear specula with adaptor  
 1 set = 4 long, closed specula (57 x 4 mm, 65 x 6 mm, 90 x 7 mm, 150 x 10 mm)  
 2 slit specula  
 spreadable speculum  
 1 spare bulb for each instrument  
 hard case

Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>G-150.10.118</b>		
BETA R rechargeable handle for mains socket		<b>G-150.20.376</b>	<b>G-150.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>G-150.20.384</b>	<b>G-150.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>G-150.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>G-150.29.420</b>

Set complete with: **BETA200 Ophthalmoscope, BETA200 VET Otoscope**  
 3 reusable SANALON S VET specula  
 1 spare bulb for each instrument  
 zipper case



Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>G-151.10.118</b>		
BETA R rechargeable handle for mains socket		<b>G-151.20.376</b>	<b>G-151.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>G-151.20.384</b>	<b>G-151.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>G-151.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>G-151.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



# Ophthalmic Instruments

## HIGHEST OPTICAL QUALITY AND THE MOST ACCURATE DIAGNOSIS

HEINE ophthalmic instruments set the industry standard for optical quality and diagnostic accuracy. The HEINE range includes a wide variety of high-quality ophthalmic instruments for all aspects of general and specialised examination of the eye: Direct and Indirect ophthalmoscopes, specialty ophthalmic instruments including retinoscopes, retinometers, hand-held slit lamps and ophthalmic examination lamps.

The HEINE Ophthalmoscopes benefit from numerous patents and registered trade marks. The main features: The aspherical optical system (AOS) in HEINE BETA Direct Ophthalmoscopes, the ParaStop feature in the HEINE Retinoscope and the simultaneous adjustment of convergence and parallax in HEINE OMEGA Indirect Ophthalmoscopes.



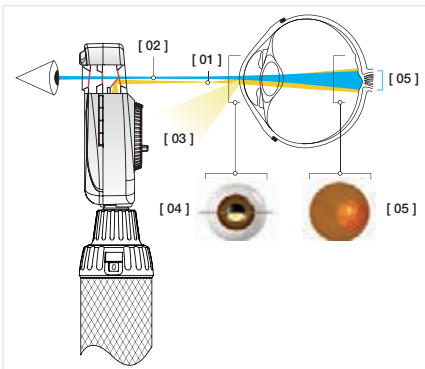


HEINE Direct Ophthalmoscopes



	BETA200 S	BETA200/BETA200 M2 Opt. 1    Opt. 2	K180 Opt. 1    Opt. 2	mini3000	mini3000 LED
<b>Optical System</b>					
Aspherical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conventional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Illumination</b>					
LED-Illumination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
XHL-Illumination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Apertures</b>					
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Corrective lenses</b>					
Range	- 36 to +38	- 35 to +40	- 35 to +40	- 20 to +20	- 20 to +20
Number of Lenses	74	27	27	18	18
1 D Steps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Dust protection</b>					
Dustproof	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dust protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metal chassis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Instrument size</b>					
Professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Available Power Sources</b>					
Battery 2.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rechargeable battery 2.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rechargeable battery 3.5V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Page	043	044	047	049	051

\* Red free filter for all apertures



**“Aspherical Optical System” (AOS) exclusively from HEINE**

eliminates corneal and iris reflexes to provide large, crisp and glare-free fundus images.

- [01] Flat, elliptical illumination beam produced by HEINE’s patented Aspherical Optical System.
- [02] Observation path.
- [03] Redirected iris and corneal reflexes.
- [04] The elliptical light beam enters through the lower half of the cornea. The illumination beam has been separated from the observation beam (Gullstrand-Principle). All reflexes are diverted away from the observation beam due to the curvature of the reflective cornea. Due to the flat, compressed form of the light beam, a maximum amount of light enters through the pupil.
- [05] Once past the anterior chamber, the light beam opens up dramatically to illuminate a large area of the retina.

## HEINE BETA® 200 S Ophthalmoscope

### Superior aspherical optics and 74 single-diopter steps



- ∴ Eliminates corneal reflex
- ∴ Ideal for small pupils
- ∴ 74 single diopter steps
- ∴ Dustproof

- ∴ **Unique optical system.** HEINE optimizes the Gullstrand principle with aspherical optics (separation of illumination and observation beam). **Corneal and iris reflexes are eliminated.** A full view is guaranteed even with small pupils.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light.
- ∴ **Range of lenses: 74 lenses from -36 D to +38 D.** Perfect focus even with high refractive errors.
  - + in 1 D steps: +1 through +38 D
  - in 1 D steps: -1 through -36 D
- ∴ **7 apertures with separate red-free filter.** Suitable for large or small pupils. Incorporates slit aperture, fixation star, cobalt blue filter and red-free filter for improved contrast.
- ∴ **Recessed, multi-coated viewing window.** Avoids stray light.
- ∴ **Dustproof housing.** Maintenance-free.
- ∴ **Optics mounted on precision metal chassis.** Durable, precise.
- ∴ **Ergonomic shape.** Instrument fits the orbita comfortably in any position.
- ∴ **Soft orbital support.** Protects the users' glasses and steadies the instrument.

BETA 200 S Ophthalmoscope	2.5V	3.5V
without handle	C-001.30.120	C-002.30.120
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070

#### BETA 200 S apertures:



Cobalt blue filter, fixation star with polar coordinates, large spot, small spot, pinhole, slit, hemispherical



**With red-free filter:**  
Cobalt blue filter, fixation star with polar coordinates, large spot, small spot, pinhole, slit, hemispherical



## HEINE BETA® 200 Ophthalmoscope

### The ophthalmoscope with superior aspherical optics



The ophthalmoscope with unique aspherical optics and all the features of the BETA200S, except for the macula aperture/pinhole and the following **range of lenses: 27 lenses from -35 D to +40 D.**

+ in 1 D steps:	1 – 10	15	20	40	D
- in 1 D steps:	1 – 10	15	20	25	35 D

BETA 200 Ophthalmoscope	2.5V	3.5V
without handle	<b>C-001.30.100</b>	<b>C-002.30.100</b>
BETA200 M2 Ophthalmoscope, without handle. Like BETA200, except with fixation star aperture without polar coordinates and with pinhole instead of small spot.	<b>C-001.30.102</b>	<b>C-002.30.102</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.069</b>	<b>X-002.88.070</b>

- ✦ Eliminates corneal reflex
- ✦ Ideal for small pupils
- ✦ Dustproof

#### BETA200 apertures



Slit, fixation star with polar coordinates, cobalt blue filter, large spot, small spot, hemislot



With red-free filter

#### BETA200 M2 apertures



Slit, fixation star, cobalt blue filter, large spot, pinhole, hemislot



With red-free filter

For information on combined diagnostic sets, please see pages 173 – 175.

## HEINE BETA® 200S/200 Ophthalmic Diagnostic Sets

Set complete with: **BETA200S Ophthalmoscope**  
1 spare bulb  
hard case



BETA200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-261.10.118</b>		
BETA R rechargeable handle for mains socket		<b>C-261.20.376</b>	<b>C-261.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-261.20.384</b>	<b>C-261.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>C-261.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>C-261.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE BETA® 200/200S Ophthalmic Diagnostic Sets



Set complete with: **BETA 200 Ophthalmoscope**  
1 spare bulb  
hard case

BETA 200 Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-144.10.118*</b>		
BETA R rechargeable handle for mains socket		<b>C-144.20.376</b>	<b>C-144.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-144.20.384</b>	<b>C-144.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>C-144.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>C-144.29.420</b>

\*Available with large battery handle X-001.99.120 (doesn't fit into hard cases). Please specify with your order.



Set complete with: **BETA 200S Ophthalmoscope, BETA 200 Streak Retinoscope**  
1 spare bulb for each instrument  
hard case

BETA 200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-262.10.118</b>		
BETA R rechargeable handle for mains socket		<b>C-262.20.376</b>	<b>C-262.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-262.20.384</b>	<b>C-262.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>C-262.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>C-262.29.420</b>



Set complete with: **BETA 200 Ophthalmoscope, BETA 200 Streak Retinoscope**  
1 spare bulb for each instrument  
hard case

BETA 200 Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-145.10.118*</b>		
BETA R rechargeable handle for mains socket		<b>C-145.20.376</b>	<b>C-145.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-145.20.384</b>	<b>C-145.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>C-145.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>C-145.29.420</b>

\*Available with large battery handle X-001.99.120 (doesn't fit into hard cases). Please specify with your order.

: Rechargeable handle with charge status display in the bottom insert.



HEINE Diagnostic Sets

Set complete: **BETA200 Ophthalmoscope, BETA200 F.O. Otoscope**  
 1 set of reusable tips (B-000.11.111)  
 5 of both AllSpec disposable tips 2.5 and 4 mm dia. (B-000.11.119)  
 one spare bulb each  
 hard case



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-132.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-132.20.376</b>	<b>A-132.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-132.20.384</b>	<b>A-132.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-132.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-132.29.420</b>

As set above, but with additional multi-purpose illuminator.



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-134.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-134.20.376</b>	<b>A-134.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-134.20.384</b>	<b>A-134.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-134.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-134.29.420</b>

Set complete: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoscope**  
 1 set of reusable specula (B-000.11.221)  
 10 UniSpec disposable tips 4 mm dia. (B-000.11.237)  
 one spare bulb each  
 hard case



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-234.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-234.20.376</b>	<b>A-234.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-234.20.384</b>	<b>A-234.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-234.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>A-234.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

## HEINE K180® Ophthalmoscope

### Standard direct ophthalmoscope



∴ Reduces corneal reflex

∴ Dust-resistant

A full-featured instrument at an economical price.

- ∴ **Precision spherical HEINE optics.** Corneal and iris reflexes are eliminated.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light. Clear retinal image.
- ∴ **Range of lenses: 27 lenses from -35D to +40D.** Brilliant image even at high corrections.

+ in 1 D steps:	1 – 10	15	20	40	D
- in 1 D steps:	1 – 10	15	20	25	35 D

- ∴ **Ergonomical shape.** The instrument fits the orbita comfortably.
- ∴ **Soft orbital rest.** Steadies the instrument and protects your glasses.
- ∴ **Choice of 5 apertures.** For both large and small pupils. Choice of fixation star or cobalt blue filter for corneal examination.
- ∴ **Dust-resistant housing.** Maintenance-free.
- ∴ **High-impact polycarbonate housing for durability.**

K180 Ophthalmoscope	2.5V	3.5V
with aperture wheel 1, without handle	C-001.30.206	C-002.30.206
with aperture wheel 2, with cobalt blue filter, without handle	C-001.30.207	C-002.30.207
XHL Xenon Halogen spare bulb	X-001.88.084	X-002.88.086

#### K180 apertures



**Aperture wheel 1:**  
Slit, red-free filter, fixation star with polar coordinates, large spot, small spot



**Aperture wheel 2:**  
Slit, red-free filter, cobalt blue filter, large spot, small spot

## HEINE K180® Ophthalmic Diagnostic Sets

Set complete with: **K180 Ophthalmoscope**,  
in standard version with aperture wheel 1  
soft pouch





K180 Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-182.10.118		
BETA R rechargeable handle for mains socket		C-182.20.376	C-182.27.376
BETA TR rechargeable handle with plug-in transformer		C-182.20.384	C-182.27.384
BETA NT rechargeable handle and NT300 charger		C-182.20.420	
BETA L rechargeable handle and NT300 charger			C-182.29.420

: Rechargeable handle with charge status display in the bottom insert.

HEINE K180® Diagnostic Sets

Set complete with:  
**K180 Ophthalmoscope**, in standard version with aperture wheel 1  
**K180 Otoscope**  
 1 set of reusable tips (B-000.11.111)  
 hard case



K180 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>A-279.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-279.20.376</b>	<b>A-279.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-279.20.384</b>	<b>A-279.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>A-279.20.420</b>	
 BETA L rechargeable handle and NT300 charger			<b>A-279.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



## HEINE mini3000® Ophthalmoscope

### Compact Pocket Ophthalmoscope



∴ Modern pocket instrument

∴ 5 different apertures

∴ Dust-resistant

Modern pocket ophthalmoscope – with fixation star aperture. Excellent optics and best colour rendering in minimum dimensions, ideal for rounds and house calls. Can be used with the mini3000 handle system. Available in black and blue.

- ∴ **XHL Xenon Halogen Technology.** Concentrated bright light for perfect illumination, a brilliant image and accurate colour rendering.
- ∴ **The HEINE optics produce crisp, clear images of the whole area under examination and minimize the reflections.**
- ∴ **5 different apertures.** A full-function instrument incl. fixation star.
- ∴ **Grey filter** for light-sensitive patients.
- ∴ **Range of lenses: 18 lenses from -20D to +20D.**

+	1	2	3	4	6	8	10	15	20D
-	1	2	3	4	6	8	10	15	20D

- ∴ **Easy workflow,** because ophthalmoscopy is possible without dilation of the pupils.
- ∴ **Attachment clip with integrated on/off switch.** Switches off automatically when returned to the pocket.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.\*
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other handles.
- ∴ **Award-winning design.** Maximum quality with minimum dimensions.

<b>mini3000 Ophthalmoscope</b>	<b>2.5V</b>
with mini3000 Battery Handle, with batteries	<b>D-001.71.120</b>
without handle	<b>D-001.71.105</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.106</b>

#### mini3000 apertures



Large spot, small spot, fixation star, hemispot, red-free filter



HEINE mini3000® Diagnostic Sets

All handles are fitted with batteries (IEC LR 6 AA size, or optional rechargeable battery with miniNT table charger\*). Please order spare bulbs separately.



Set complete with: **mini3000 Ophthalmoscope**  
hard case

<b>mini3000 Ophthalmoscope Set</b>	<b>2.5V</b>
mini3000 battery handle with batteries	<b>D-852.10.021</b>



Set complete with: **mini3000 Ophthalmoscope, mini3000 F.O. Otoscope**  
1 set = 4 reusable tips (B-000.11.111)  
5 of both 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)  
hard case

<b>mini3000 Ophthalmoscope, mini3000 F.O. Otoscope Set</b>	<b>2.5V</b>
with <b>2</b> mini3000 battery handles with batteries	<b>D-873.11.021</b>
as above but with <b>mini3000 Otoscope</b> instead of mini3000 F.O. Otoscope	<b>D-873.21.021</b>



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.

HEINE mini3000® pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

## HEINE mini3000® LED Ophthalmoscope

### with LED Illumination in HEINE Quality HQ



NEW

LED HQ



- ∴ Maintenance-free pocket instrument
- ∴ Optimal colour rendering
- ∴ Up to 10 hours operation time

Modern ophthalmoscope with maintenance-free LED illumination. Its brightness and colour rendering are comparable with a HEINE XHL Xenon Halogen Ophthalmoscope.

All of the features of the mini3000 Ophthalmoscope, with the addition of:

- ∴ **Maintenance-free**, no need to ever replace the LED.
- ∴ LED Thermal management for a **consistent light output throughout the whole working life**.
- ∴ High-performance-LED: bright and absolutely homogeneous **illumination with an excellent colour rendering** – colour temperature 4000K, colour rendering index >95, and >90 rendering index of the colour red.
- ∴ **Exclusive Battery Performance Indicator**: When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Exclusive fade-out function** reduces illumination intensity with battery level to let you know when to replace.
- ∴ **Operation time up to 10 hours**. The batteries need to be changed less often and the rechargeable batteries last longer.

mini3000 LED Ophthalmoscope	2.5V
with mini3000 Battery Handle, with batteries	D-008.71.120
without handle	D-008.71.105

#### mini3000 apertures



Large spot, small spot, fixation star, hemispot, red-free filter



HEINE mini3000® LED Diagnostic Sets



All handles are fitted with batteries (IEC LR 6 AA size, or optional rechargeable battery with miniNT charger\*).



Set complete with: **mini3000 LED Ophthalmoscope**  
hard case

<b>mini3000 LED Ophthalmoscope Set</b>	<b>2.5V</b>
mini3000 battery handle with batteries	<b>D-885.21.021</b>



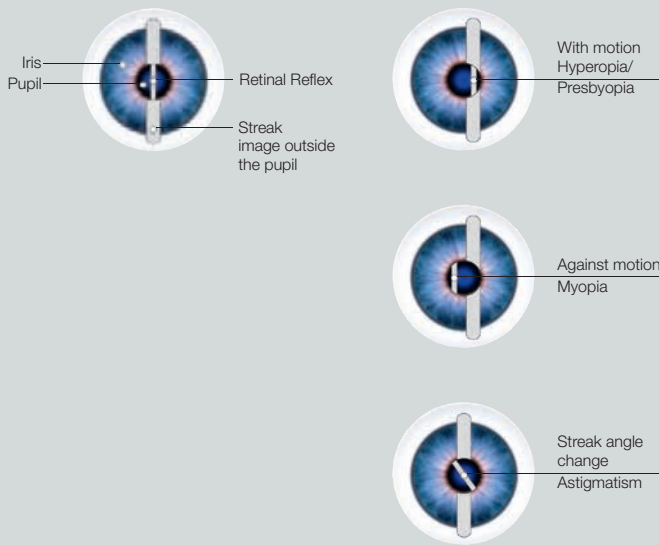
Set complete with: **mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otoscope**  
1 set = 4 reusable tips (B-000.11.111)  
5 of both 2.5 and 4mm dia. AllSpec disposable tips (B-000.11.119)  
hard case

<b>mini3000 LED Ophthalmoscope, mini3000 F.O. Otoscope Set</b>	<b>2.5V</b>
with <b>2</b> mini3000 battery handles with batteries	<b>D-886.11.021</b>



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.

HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



**Hand-held retinoscopes for objective refraction.**

The BETA 200 Retinoscope is used for exact measurement of refractive error. Both myopia and hyperopia and astigmatism can be measured.

Two versions are available:

The Spot Retinoscope with a round light spot and the more widely-used Streak Retinoscope with a streak image which simplifies the examination.

**HEINE ParaStop and polarisation filter.**

The BETA 200 Retinoscope with ParaStop features the latest multi-coated optics for an exceptionally bright fundus reflex and easier detection of the neutralization point. ParaStop was developed by HEINE for the easy, precise selection of a parallel illumination beam. ParaStop simplifies and speeds up the precise detection of cylinder axis. ParaStop also simplifies the verification of the cylinder correction after refraction.

HEINE BETA® 200 Retinoscope with HEINE ParaStop®

**HEINE ParaStop® for total precision in selecting a parallel beam**



[01]

- ∴ **ParaStop.** Precise, easy selection of a parallel beam.
- ∴ **Ergonomic shape.** Protects the examiner's orbita from stray light.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light. Bright fundus reflex, easy recognition of neutralization point.
- ∴ **Streak or spot Retinoscope.** Simply by changing the bulb.
- ∴ **Metal controls.** Long-lasting.
- ∴ **Single control for vergence and rotation.** Comfortable operation.
- ∴ **Dustproof.** Maintenance-free.
- ∴ **Integrated polarisation filter.** Eliminates stray light and internal reflexes for a brighter fundus reflex.
- ∴ **Orange filter (optional).** Reduces patient dazzle without affecting the fundus reflex.
- ∴ **Detachable brow rest.** Increased comfort and control during examination.
- ∴ **Holder for fixation cards (optional).** For dynamic retinoscopy.

BETA 200 Streak Retinoscope	2.5V	3.5V
with XHL Xenon Halogen bulb, without handle	C-001.15.353	C-002.15.353
XHL Xenon Halogen spare bulb	X-001.88.087	X-002.88.089
XHL Xenon Halogen spare bulb to convert to <b>spot retinoscope</b>	X-001.88.088	X-002.88.090

Orange filter for the bulb, for light-sensitive patients [01]	C-000.15.359
Fixation cards with holder for dynamic retinoscopy	C-000.15.360

- ∴ **Patented ParaStop**
- ∴ **Metal controls**
- ∴ **Dustproof**
- ∴ **Streak or Spot Retinoscope by simply changing the bulb**



HEINE Ophthalmic Diagnostic Sets



Set complete with: **BETA 200 Streak Retinoscope**  
1 spare bulb  
hard case

BETA 200 Retinoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-034.10.118*</b>		
BETA R rechargeable handle for mains socket		<b>C-034.20.376</b>	<b>C-034.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-034.20.384</b>	<b>C-034.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>C-034.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>C-034.29.420</b>



Set complete with: **BETA 200S Ophthalmoscope, BETA 200 Streak Retinoscope**  
one spare bulb each  
hard case

BETA Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>C-262.10.118*</b>		
BETA R rechargeable handle for mains socket		<b>C-262.20.376</b>	<b>C-262.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-262.20.384</b>	<b>C-262.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>C-262.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>C-262.29.420</b>

\*Available with large battery handle X-001.99.120 (doesn't fit into hard cases). Please specify with your order.

: Rechargeable handle with charge status display in the bottom insert.

## HEINE® HSL 150 Hand-held Slit Lamp

### For the examination of the anterior segment



Compact and lightweight, the portable HSL 150 is ideal for situations where a full-size slit lamp is not available or convenient. For the examination of the anterior segment in Human- and Veterinary medicine.

- ∴ **Slit size adjustable** from 0.2 mm x 10 mm to 4 mm x 14 mm.
- ∴ **6x magnification.**
- ∴ **Blue interference filter (FITC)**, can be selected for corneal examination.
- ∴ **Multi-coated optics for maximum light transmission.**
- ∴ **2.5V or 3.5V XHL Xenon Halogen Technology** for bright, white light comparable with the brightness of a classic slit lamp.
- ∴ **The HSL 150 instrument head weighs just 70g**, the lightest slit lamp of its kind.

- ∴ Continuous slit adjustment
- ∴ Blue filter
- ∴ Ideal for domiciliary visits

HSL 150 for BETA or BETA SLIM handles	2.5V	3.5V
HSL 150, head only	C-001.14.602	C-002.14.602
XHL Xenon Halogen spare bulb	X-001.88.098	X-002.88.099
Replacement filter attachment for HSL 150	C-000.14.605	

## HEINE® HSL 10x Loupe Attachment

### Loupe attachment with 10x magnification



For HSL 150. With precision magnification optics for crisp, clear images.

- ∴ **10x magnification** when combined with HSL 150 Loupe.
- ∴ **Increased working distance** from examiner to patient.
- ∴ **Large field of view.**
- ∴ **With an additional detachable eyepiece** to steady the instrument on the brow and avoid stray light. Can be replaced with a soft cap, suitable for spectacle-wearers.

HSL 10x Loupe Attachment	C-000.14.606
--------------------------	--------------

## HEINE® HSL 150 Hand-held Slit Lamp Sets



[01]





[02]

Set complete with: **HSL 150 Hand-held Slit Lamp**  
BETA SLIM handle (compact)

Hand-held Slit Lamp Sets	2.5V	3.5V
BETA SLIM battery handle, in soft pouch, without spare bulb [01]	<b>C-252.10.105</b>	
same, with HSL 10x Loupe Attachment, spare bulb, in hard case [02]	<b>C-268.10.105</b>	
BETA SLIM rechargeable handle and NT300 charger, spare bulb, in hard case		<b>C-266.20.470</b>
same, with HSL 10x Loupe Attachment, in hard case		<b>C-268.20.470</b>

Set complete with: **HSL 150 Hand-held Slit Lamp**  
spare bulb  
BETA handle (standard size)  
hard case



Hand-held Slit Lamp Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>C-265.10.118</b>		
same, with HSL 10x Loupe Attachment	<b>C-267.10.118</b>		
BETA R rechargeable handle for mains socket		<b>C-265.20.376</b>	<b>C-265.27.376</b>
same, with HSL 10x Loupe Attachment		<b>C-267.20.376</b>	<b>C-267.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-265.20.384</b>	<b>C-265.27.384</b>
same, with HSL 10x Loupe Attachment		<b>C-267.20.384</b>	<b>C-267.27.384</b>
BETA NT rechargeable handle and NT300 charger		<b>C-265.20.420</b>	
same, with HSL 10x Loupe Attachment		<b>C-267.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>C-265.29.420</b>
same, with HSL 10x Loupe Attachment			<b>C-267.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



## HEINE® LAMBDA 100 Retinometer

### For assessing potential visual acuity



The LAMBDA 100 Retinometer is the first compact instrument for assessing potential visual acuity of patients with cataracts and other opacities.  
LAMBDA 100 – clinically tested with excellent results.

- ⚡ **Simple, easy-to-use controls.** Reliable diagnosis, easy to operate.
- ⚡ **Compact, lightweight (100 g).** Can be used anywhere – even bedside.
- ⚡ **XHL Xenon Halogen Technology and brightness control.** Avoids patients discomfort from dazzle.

Three simple steps to potential acuity assessment with LAMBDA 100

1. Switch on instrument, select acuity, select grating angle, reduce ambient lighting.
2. Rest Retinometer against the patient's forehead. Scan the pupil with the red light spot to find a "window" through which the patient can recognize the grating pattern and identify its angle.
3. Select progressively-finer grating patterns with different angles until the patient can no longer recognize the angle. The value of the last recognizable angle indicates potential acuity.

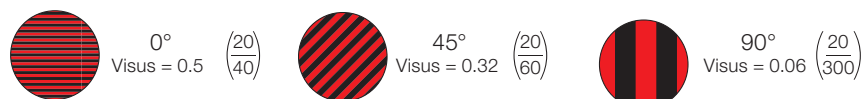


[01]

LAMBDA 100 Retinometer	2.5V	3.5V
with acuity scale 20/300 to 20/25 (scale 2), without handle	C-001.35.015	C-002.35.015
with acuity scale 0.06 to 0.8 (decimal scale 1), without handle	C-001.35.010	C-002.35.010
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Patient card [01]	C-000.35.005	

### LAMBDA 100



Examples of various acuity grating patterns (visual angle 1°)





## HEINE® LAMBDA 100 Retinometer Sets



Set complete with: **LAMBDA 100 Retinometer** acuity scale 0.06 to 0.8 (scale 1)  
patient card  
spare bulb  
hard case

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>C-187.10.118</b>		
BETA R rechargeable handle for mains socket		<b>C-187.20.376</b>	<b>C-187.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-187.20.384</b>	<b>C-187.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>C-187.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>C-187.29.420</b>

Set complete with: **LAMBDA 100 Retinometer** acuity scale 20/300 to 20/25 (scale 2)  
patient card  
spare bulb  
hard case

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>C-189.10.118</b>		
BETA R rechargeable handle for mains socket		<b>C-189.20.376</b>	<b>C-189.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>C-189.20.384</b>	<b>C-189.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>C-189.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>C-189.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE® Focalux

Focusing pocket lamp for BETA handles



A focusing pocket lamp for the examination of the anterior chamber in focal light and for indirect ophthalmoscopy.

- ∴ **Small and light.** Ideal for house calls and rounds.
- ∴ **Light spot can be focused on the patient's pupil.** Perfect illumination of the fundus even with non-dilated pupils.
- ∴ **Intense illumination.** Bright fundus image.
- ∴ **+ 3D lens attachment.** Aids accommodation and magnifies image.

Focalux	2.5V	3.5V
with lens attachment, without handle	C-001.14.102	C-002.14.102
XHL Xenon Halogen spare bulb	X-001.88.039	X-002.88.091
Swivel lens attachment + 3D only	C-000.14.109	

HEINE mini 3000® Focalux

Focusing pocket lamp



Modern focusing pocket lamp in a compact design for the examination of the anterior chamber in focal light and for indirect ophthalmoscopy. Can only be used with the mini 3000 handle system.

- ∴ **Small and light.** Particularly ideal for home visits.
- ∴ **Light spot can be focused on the patient's pupil.** Perfect fundus illumination even with non-dilated pupil.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Enhanced XHL Xenon Halogen Technology for more light.** Very bright, concentrated white light with high light intensity for a bright fundus image.
- ∴ **+ 3D lens attachment.** Aids accommodation and magnifies image.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with miniNT table charger\*.

mini 3000 Focalux	2.5V
with +3D lens on mini 3000 battery handle, with batteries	D-001.72.141
without lens, without handle	D-001.72.100
XHL Xenon Halogen spare bulb	X-001.88.042
Swivel lens attachment + 3 D only	C-000.14.109



\*To upgrade to a rechargeable instrument with miniNT table charger, please see page 158.

## Ophthalmic Examination Lamp

### For examination of the anterior segment and cornea in focal light



- ∴ **Small and light. Ideal for house calls and rounds.**
- ∴ **5 different apertures.** Helps detect erosion, edema and foreign bodies on the cornea.
- ∴ **Apertures focused at 100mm working distance.**

Ophthalmic Examination Lamp	2.5V	3.5V
without handle	C-001.14.400	C-002.14.400

XHL Xenon Halogen spare bulb	X-001.88.032	X-002.88.047
------------------------------	--------------	--------------

#### Aperture combination



Slit, three different spots, cobalt blue filter for fluorescence examination

## HEINE Finoff Transilluminator

### For scleral transillumination



[01]

- ∴ **Detachable Cobalt blue filter.** Suitable for fluorescence examinations.

Finoff Transilluminator	2.5V	3.5V
for scleral transillumination, without handle	C-001.17.080	C-002.17.080

XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
------------------------------	--------------	--------------

Aperture with Cobalt blue filter for Finoff Transilluminator [01]	C-000.17.081	
---	--------------	--

# Indirect Ophthalmoscopes

## OPTIMUM PERFORMANCE AND QUALITY

Ophthalmic instruments from HEINE set a benchmark for optical quality and reliable diagnostic performance in eye examination.

Absolute precision and image quality are the most important criteria in evaluation of ophthalmic instruments. This is why HEINE pays so much attention to the quality of all the components of an optical system, particularly the lenses, mirrors and lamps.

The complete customisation and flexibility of the instrument also contributes to the quality and reliability of the diagnosis.

For example, the synchronized convergence and parallax adjustment: It allows for high quality, stereoscopic fundus images and the best possible examination results through any pupil size, down to 1 mm.





HEINE Indirect Ophthalmoscopes



OMEGA 500



OMEGA 200

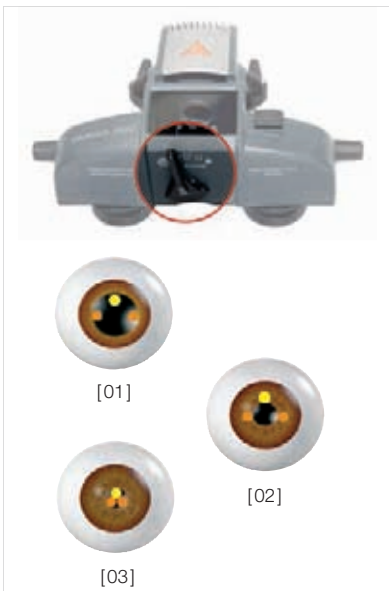


SIGMA 150  
150 150/M2



SIGMA 150 K  
150K 150K/M2

	Convergence and Parallax Adjustment			
Synchronised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Separate			<input type="checkbox"/>	<input type="checkbox"/>
	Apertures			
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diffusor	<input type="checkbox"/>		optional	optional
	Filters			
•	<input type="checkbox"/>	<input type="checkbox"/>	optional	optional
•	<input type="checkbox"/>		optional	optional
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Versions			
LED-Illumination	optional			
XHL-Illumination	optional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headband	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
S-FRAME			<input type="checkbox"/>	
Teaching mirror	optional	<input type="checkbox"/>	optional	optional
	Brightness control			
On the Instrument	<input type="checkbox"/>			
On the power source		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mobile power supply			
Headband-mounted battery	<input type="checkbox"/>			
mPack UNPLUGGED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
mPack				
	Stationary power supply			
EN50 Table- or / Wall Transformer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mains Transformer	<input type="checkbox"/>	<input type="checkbox"/>		
Page	063	067	069	069/070



**Synchronized Convergence and Parallax Adjustment System**

The advanced One-Step Small and Variable Pupil Control maximizes stereopsis in dilated pupils and allows for the instant adjustment of the optical system to ensure fully illuminated, stereoscopic views through pupils as small as 1 mm in diameter.

- **Dilated Pupil.** In the case of a dilated pupil, the HEINE Synchronized Convergence and Parallax Adjustment System adjusts the left and right observation paths as far apart as possible (large angle of Convergence) providing for maximum stereopsis (depth perception). The illumination beam is automatically positioned as high as possible relative to the observation plane (creating a large angle of parallax) in order to maximize illumination and minimize unwanted reflections [01].
- **Undilated Pupils and viewing in the Periphery.** In cases of pupils that can not, or should not be dilated, a binocular view with full illumination is not possible without adjustments of the optical system [02]. By adjusting the Small and Variable Pupil Control Lever located on the bottom of the OMEGA Series instruments, the angle of convergence between left and right observation paths is reduced and the angle of parallax (light path) is automatically reduced in one, simple step. The observer can now enjoy a fully illuminated, binocular view with excellent stereopsis [03] even through a pupil as small as 1 mm in diameter, or in cases where the pupil appears as an ellipse as a result of viewing the periphery.

## HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

### Quality with LED or XHL Xenon-Halogen Lamp illumination



With its XHL Xenon-Halogen-Technology and perfect colour rendering, the OMEGA500 has set the standard for reliability and performance.

- ∴ **Unique “Synchronized Adjustment of Convergence and Parallax”** for high quality, stereoscopic fundus images through any pupil size. Precise selection of the observation and illumination optics for small pupils down to 1.0 mm.
- ∴ **Excellent optical performance due to the multi-coated illumination system.** Exact vertical alignment of the illumination with the observation path further minimizes the reflections.
- ∴ **Due to the mounting of the optics on an aluminum chassis,** the OMEGA500 is solid, long lasting, and is guaranteed to be dustproof.
- ∴ **The new designed HC50 L Headband Rheostat controls the LED illumination as well as the XHL Xenon-Halogen illumination.**

∴ LED- or XHL-Technology

∴ Unique Synchr. Adjustment

∴ Dust proof

#### Technical Specifications:

- ∴ **Apertures and Filters:** Can be “locked” into a desired position.
- ∴ **Adjustment Levers:** Also feature a “Friction-Clutch” (“Safety-Clutch”) to protect mechanisms from forced adjustment while in the “lock” position.
- ∴ **Increased PD Range:** From 46 – 74 mm.
- ∴ **Soft Touch Controls:** All key adjustment controls feature soft touch surfaces for precise and positive adjustment control.



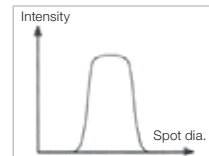
Separate fine-tuning of the illumination beam  $\pm 4^\circ$  in addition to synchronized convergence and parallax adjustment.



HEINE Diffuser, 3 integrated Spot Sizes: Small spot, medium and large. 3 integrated Filters: Red-free, Cobalt Blue and Yellow filters.



Synchronized adjustment of convergence and parallax.



The HEINE diffuser can be selected to provide soft light, simplifying the examination and reducing glare and reflexes but maintaining excellent light intensity. Can be combined with all filters.



### LED-Technology for HEINE OMEGA® 500:

LED now in HEINE quality. The sophisticated LED HQ system provides for longer operation time, exact dimmability and excellent colour rendering.

- ∴ **LED thermal management** by means of high-quality heat conducting materials, such as copper, guarantees consistent light output for the whole working life of the LED, 20,000 hours.
- ∴ **State of the art LED illumination system** produces absolutely homogenous, uniform illumination and up to 100% more light in comparison to the XHL-Technology. The CRI value, whose maximum is 100, indicates how exactly colours are reproduced in comparison with daylight. The following technical data of the OMEGA500 allow an exact diagnosis: colour temperature 4000K, CRI value >90.
- ∴ With the new **Rheostat HC50 L** the light intensity can be precisely adjusted – especially in the range of low light intensities.
- ∴ **Convert your XHL Xenon Halogen OMEGA500 to LED:** With an upgrade kit the OMEGA500 can easily and quickly be adapted to the new technology.



## HEINE OMEGA® 500 Headband

### with unique features



- ∴ **Articulating Hinge** provides vertical adjustment of the rear band of the headband for individual placement. Secure and perfect fit for all shapes and sizes.
- ∴ **Ergonomic design** for optimal weight transfer across the surface of the entire headband (no pressure points).
- ∴ **Softer, malleable material.** Provides even and comfortable fit of the headband.
- ∴ **Calibrated Overband Position** ensures optics are in true horizontal position for precise adjustment and alignment.
- ∴ **Integrated cables** in overband eliminates the usual “cable loop” from instrument to headband.
- ∴ **Registered Design.**



[01]



[02]

#### Technical Specifications:

- ∴ **HC50 L Headband Rheostat:** Easily mounted on the left or right sides of the headband [01].
- ∴ **Integrated flip-up adjustment:** To raise optics out of the line of sight. Can be mounted on the left or right side of the headband. Optics can be flipped and locked at 0°, 12.5°, 47.5°, 60° degrees [02].
- ∴ **Mechanically reinforced adjustment mechanisms:** For durability and precise adjustment of the headband.

## HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

### Optimum performance and quality



[01]



[02]



[03]

OMEGA 500 Ophthalmoscope	XHL – 6V	LED – 6V
with XHL Xenon Halogen bulb (5W) on Headband (not including HC50L Headband Rheostat)	C-004.33.500	
on Headband with HC50 L Headband Rheostat and Connecting Cord UNPLUGGED-Cinch	C-004.33.507	C-008.33.502
XHL Xenon Halogen spare bulb 6V, 5W, standard equipment	X-004.88.111	
Extension Cord Cinch-Cinch, 2 m [01]		C-000.33.510
Connecting Cord UNPLUGGED-Cinch to EN50 charger/mPack/plug-in transformer for HC50 L, 1,6m [02]	X-000.99.667	
HC50 L Headband Rheostat (without plug-in transformer)	X-095.16.325	
Plug-in transformer for HC50 L Headband Rheostat	X-095.16.320	
Teaching mirror [03]		C-000.33.209



HEINE OMEGA® 500 Kits



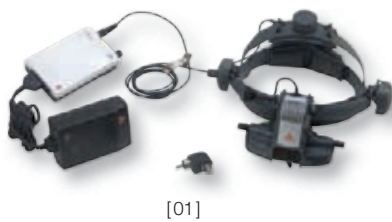
**XHL OMEGA 500 LED Conversion Kits.**

With these kits, a XHL illumination OMEGA500 can be converted to LED illumination.

Upgrade-Kits OMEGA 500	LED – 6V
Upgrade-Kit OMEGA500 with LED-module [01] and HC50 L [02]	<b>X-008.16.325</b>
LED-module for OMEGA500 [01]	<b>X-008.87.200</b>

**OMEGA500 Kits**

Recommended Product Order Configurations to ensure the most flexibility the OMEGA500/EN50 System has to offer. The following kits include main system elements but no carrying cases or ancillary accessories.



OMEGA 500 Kits	XHL – 6V	LED – 6V
Consists of OMEGA500, HC50L Headband Rheostat, Connecting Cord UNPLUGGED-Cinch		
<b>Kit 1:</b> with plug-in transformer for HC 50 L	<b>C-004.33.537</b>	<b>C-008.33.531</b>
<b>Kit 2:</b> with EN50 transformer complete (incl. EN50 Rheostat Control Module, Extension Cord Cinch-Cinch 2m, 90° Angled Adaptor, Instrument Support)	<b>C-004.33.538</b>	<b>C-008.33.532</b>
<b>Kit 3:</b> with mPack and plug-in transformer (incl. 90° Angled Adaptor) [01]	<b>C-004.33.539</b>	<b>C-008.33.533</b>
<b>Kit 4:</b> with EN50-m charger (incl. mPack, 90° Angled Adaptor, Instrument Support)	<b>C-004.33.540</b>	<b>C-008.33.534</b>

HEINE OMEGA® 500 Sets



Set complete with **OMEGA 500 Head-worn Indirect Ophthalmoscope**

1 Scleral depressor large, 1 Scleral depressor small, A.R. 20D Ophthalmoscopy-lens, Pad with 50 fundus charts, Teaching mirror, 1 spare bulb if with XHL illumination, in hard case with:

OMEGA 500 Sets	XHL – 6V	LED – 6V
HC50 L Headband Rheostat with plug-in transformer (incl. Connecting Cord UNPLUGGED-Cinch)	<b>C-283.40.320</b>	<b>C-283.41.320</b>
<b>EN50-m Charger with mPack</b> , HC50L Headband Rheostat (incl. Connecting Cord UNPLUGGED-Cinch, 90° Angled Adaptor, 2m Extension Cord Cinch-Cinch, Instrument Support)	<b>C-283.40.302</b>	<b>C-283.41.302</b>
<b>mPack with plug-in transformer</b> , HC50 L Headband Rheostat (incl. Connecting Cord UNPLUGGED-Cinch, 90° Angled Adaptor)	<b>C-283.40.670</b>	<b>C-283.41.670</b>



## HEINE OMEGA® 500 UNPLUGGED

### with headband battery mPack UNPLUGGED



- ∴ 100% freedom of movement
- ∴ Low weight
- ∴ Charge status indicator



100% freedom of movement – no cable connections!  
The OMEGA500 Ophthalmoscope with mPack UNPLUGGED rechargeable battery allows one-of-a-kind mobility without restriction or hindrance caused by cables, cords, or similar connections.

- ∴ **Rechargeable battery integrated on the headband.** No interfering cable connections.
- ∴ **Lightweight with balanced weight distribution.** High level of comfort. Lightweight and compact.
- ∴ **mPack UNPLUGGED rechargeable battery.** Charging time 2 hours. Operating time 8 hours with LED-Illumination, 2 hours with XHL-Illumination (with standard lamp 6V, 5W).
- ∴ **Charge Status Indicator.** Indication of remaining operating time.
- ∴ **Can be recharged by wall charger or plug-in transformer.**
- ∴ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit). Battery-friendly charging.
- ∴ **Direct operation possible while charging** through the use of the mobile plug-in transformer.
- ∴ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology (selected non-flammable materials). UL-compliant.
- ∴ **System compatibility** with mPack for even greater capacity.

OMEGA 500 UNPLUGGED Kits	XHL – 6V	LED – 6V
Consists of OMEGA 500, HC 50L Headband Rheostat, without case:		
<b>Kit 5:</b> with plug-in Transformer UNPLUGGED, 1 x mPack UNPLUGGED	<b>C-004.33.541</b>	<b>C-008.33.535</b>
<b>Kit 6:</b> with Wall unit EN50 UNPLUGGED charger, 2x mPack UNPLUGGED	<b>C-004.33.542</b>	<b>C-008.33.536</b>
XHL Xenon Halogen Spare bulb 6V, 5W, standard	<b>X-004.88.111</b>	
Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2m		<b>X-000.99.668</b>

## HEINE OMEGA® 500 UNPLUGGED Set



Set complete with **OMEGA 500 UNPLUGGED**, 1 Scleral depressor large, 1 Scleral depressor small, A.R. 20D Ophthalmoscopy-lens, Pad with 50 fundus charts, Teaching mirror, 1 spare bulb in case of XHL illumination, in hard case with:

OMEGA 500 UNPLUGGED Set	XHL – 6V	LED – 6V
mPack UNPLUGGED and plug-in transformer UNPLUGGED	<b>C-284.40.670</b>	<b>C-284.41.670</b>

## HEINE OMEGA® 200 Binocular Indirect Ophthalmoscope

### Head-worn Indirect Ophthalmoscope with integrated teaching mirrors



The instrument of choice for teaching and operating rooms.

- ✦ **Integrated teaching mirrors left and right.** Identical images for the examiner and two observers.
- ✦ **Synchronized adjustment of illumination and observation beams.** Instant adjustment allows stereoscopic examination through pupils down to 1.2mm in diameter.
- ✦ **Separate fine-tuning of the illumination beam  $\pm 4^\circ$ .** Ideal for difficult examinations (e. g. in the periphery).
- ✦ **Quick-action hinged optics.** The optics swing into the stand-by position. When released, they return to exactly the same position as before.
- ✦ **Light weight.** Ensures maximum comfort in long-term use.
- ✦ **Multi-coated precision optics.** Exceptional quality of image and illumination without UV and IR.
- ✦ **Complete range of accessories.** Individually-selected instrument kits possible.

<b>OMEGA 200 Ophthalmoscope</b>	<b>6V</b>
with XHL Xenon Halogen bulb and connecting cord (2m)	<b>C-004.33.210</b>
XHL Xenon Halogen spare bulb	<b>X-004.88.068</b>
Extension Cord Cinch-Cinch, 2m	<b>C-000.33.510</b>



Soft comfortable headband with cushions, adjustable for height and width. Aluminum frame, durable and dustproof.



Separate fine-tuning of the illumination beam  $\pm 4^\circ$  in addition to synchronized convergence and parallax adjustment.



3 different apertures, integrated red-free and cobalt blue filters.



Instant adjustment for any pupil size. Aluminum optical frame and dustproof housing assure durability and reliability.



2 integrated teaching mirrors with identical images for the examiner and 2 observers.

## HEINE OMEGA® 200 Sets



Set complete with **OMEGA 200 Head-worn Indirect Ophthalmoscope**

1 Scleral depressor large, 1 Scleral depressor small, A.R. 20D Ophthalmoscopy-lens, Pad with 50 fundus charts, 1 spare bulb, in hard case with:

<b>OMEGA 200 Sets</b>	<b>6V</b>
<b>EN 15 Plug-in Transformer</b> with brightness control (incl. 2m Extension Cord Cinch-Cinch)	<b>C-162.40.300</b>
<b>EN 50 Transformer with Rheostat Control Module</b> (incl. 90° Angled Adaptor, 2m Extension Cord Cinch-Cinch, Instrument Support)	<b>C-276.40.300</b>
<b>EN 50-m Charger with mPack</b> (incl. 90° Angled Adaptor, Instrument Support, 2m Extension Cord Cinch-Cinch)	<b>C-276.40.302</b>
<b>mPack with plug-in transformer</b> (incl. 90° Angled Adaptor, 2m Extension Cord Cinch-Cinch)	<b>C-276.40.670</b>



HEINE Video OMEGA® 2C

**Binocular Indirect Video Ophthalmoscope**

The only Binocular Indirect Video Ophthalmoscope designed and developed entirely for video applications. Ideally suited for teaching, research, patient clarification, digital patient history and telemedicine.



- ∴ **Fully integrated camera system.** No external brackets or prisms.
- ∴ **Compact.** Lightweight camera design (65 g, camera head without cable, complete 250 g).
- ∴ **Water-proof camera head.** Can be placed in disinfectant solution (but cannot be autoclaved).
- ∴ **100 % dustproof system.** No maintenance required.
- ∴ **Optics specially-developed.** Maximum brightness.
- ∴ **High-resolution A-Cam camera.** CCD 470,000 Pixel, 460 lines.
- ∴ **Image sensor.** 1/2" CCD, color.
- ∴ **Focus adjustable for any working distance.** From 250 to 800 mm.
- ∴ **Automatic white balance.**
- ∴ **Automatic light metering at the center of the image.** Reduction in reflections.
- ∴ **Automatic light boost.** Boost function for examinations with low lighting.
- ∴ **Brilliant image with an S-VHS monitor.**
- ∴ **FBAS (composite) and Y/C (SVHS) outputs.** Extensive compatibility and high image quality.
- ∴ **Optional PAL or NTSC format.** Please specify when ordering.
- ∴ **Connecting cable.** 3 m.
- ∴ **Processor will connect to various output devices, such as: VCR's, digital printers, PC's with image capture software.**
- ∴ **Video OMEGA2C can be supplied without a camera for users' own C-mount CCD cameras.**



Monitor not included.

Video OMEGA 2C Sets	
Complete with optics and headband, A-Cam camera and processor, Video cable, S-VHS cable, EN50 Transformer with Rheostat Control Module, extension Cord Cinch-Cinch 2 m, large and small scleral depressors, AR20 D lens, XHL Xenon replacement bulb and carrying case.	<b>C-175.40.618</b>
Video OMEGA2C, optics, headband and bulb, without accessories.	<b>C-004.33.214</b>
Instrument with C-Mount, without A-Cam camera and processor.	<b>C-004.33.214</b>
Video OMEGA2C, optics, headband and bulb, without accessories. Instrument with A-Cam camera and processor.	<b>C-004.33.212</b>
A-Cam camera with processor (available systems: PAL or NTSC, please specify when ordering).	<b>C-000.33.223</b>

More information available on request.

## HEINE SIGMA® 150 Binocular Indirect Ophthalmoscope

### Ophthalmoscope for spectacle and headband



The Spectacle Indirect Ophthalmoscope for any pupil size. Two separate controls let you select the **ideal setting for parallax and convergence to suit any pupil**. The illumination beam can be adjusted by  $\pm 3^\circ$  to eliminate reflexes.

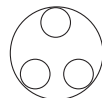
- ∴ **6V/5W XHL Xenon Halogen bulb.** Bright, white light.
- ∴ **Illumination beam adjustable  $\pm 3^\circ$ .** Eliminates reflexes.
- ∴ **Integrated red-free filter.** Improves contrast. Versatile, fully-equipped.
- ∴ **Detachable blue and yellow filters.** For Fluorescence Angioscopy.
- ∴ **Dust proof.** Maintenance-free.
- ∴ **P.D. selection from 48 to 74 mm.** Suits any user.
- ∴ **Optics on swivel mount.** Unrestricted view.
- ∴ **Extremely light, 90 g without frame.** Light and comfortable.
- ∴ **Carbon Fiber Instrument Frame.** Light but very durable.
- ∴ **Large and small apertures.**
- ∴ **Optional clip-in correction frame** for prescription lenses.

∴ Ultra light

∴ For any pupil size

∴ Dust proof

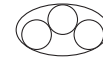
Simplified diagram of various beam configurations:  
Large pupil – small pupil – peripheral view



Large pupil



Small pupil



Peripheral view

## HEINE SIGMA® 150 Accessories



S-FRAME for SIGMA 150 and 150M2 Indirect Ophthalmoscope [01]	<b>C-000.33.036</b>
Teaching mirror [02]	<b>C-000.33.302</b>
Blue filter [03]	<b>C-000.33.313</b>
Yellow filter [04]	<b>C-000.33.314</b>
Diffusor [05]	<b>C-000.33.315</b>
Case for filters, empty [06]	<b>C-000.33.316</b>
XHL Xenon Halogen spare bulb 6V/5W [07]	<b>X-004.88.093</b>

HEINE SIGMA® 150 Kits



SIGMA 150 with S-FRAME



SIGMA 150 Kits	Without Power Source	With mPack
<b>SIGMA 150 with S-FRAME</b>		
SIGMA 150 S-FRAME Retaining Cord Cleaning Fluid	C-004.33.350	C-004.33.351



<b>SIGMA 150 M2 with S-FRAME and Micro Spot Aperture (instead of small aperture)</b>		
SIGMA 150 M2 S-FRAME Retaining Cord Cleaning Fluid	C-004.33.355	C-004.33.356



SIGMA 150K  
on headband

<b>SIGMA 150K on ergonomical headband with leather cushions, adjustable for circumference and height. Without headband rheostat.</b>		
SIGMA 150 on Headband	C-004.33.325	C-004.33.329

<b>SIGMA 150K M2 on ergonomical headband with leather cushions, adjustable for circumference and height. Without headband rheostat. With Micro Spot Aperture (instead of small aperture)</b>		
SIGMA 150 on Headband	C-004.33.335	C-004.33.336

HEINE SIGMA® 150 Sets



SIGMA 150 Sets	With mPack	With EN50 transformer	With EN50 and mPack
<b>SIGMA 150 / SIGMA 150M2 Set on S-FRAME (Please specify when ordering!)</b>			
SIGMA 150 S-FRAME Scleral Depressor Small Scleral Depressor Large A.R. 20 D Ophthalmology Lens Teaching Mirror Cobalt Blue and Yellow Filters Diffusor Retaining cord Cleaning Fluid Spare Bulb Carrying Case	<b>C-281.40.670</b>	—	—



<b>SIGMA 150 K Set on Headband</b>			
SIGMA 150 Scleral Depressor Small Scleral Depressor Large A.R. 20 D Ophthalmology Lens Teaching Mirror Cobalt Blue and Yellow Filters Diffusor Spare Bulb Carrying Case (Hard Case)	<b>C-278.40.670*</b>	<b>C-278.40.300</b>	<b>C-278.40.302</b>

\* incl. 2 m Extension Cord Cinch-Cinch



For mPack and EN50 table/wall unit please see pages 162 and 163.

## Hand-held Indirect Ophthalmoscope, MONOCULAR

### Compact monocular ophthalmoscope



[01]

An unusually compact instrument, which is recommended for visits and mobile use.

- ∴ **Durable metal construction.** Long working life.
- ∴ **Built-in interference red-free filter.** Improves contrast.
- ∴ **All optical components made of coated optical glass.** Precise images and high light intensity.
- ∴ **Adjustable light beam.** Useful for small pupils.
- ∴ **Can be used with one hand.** Easy to reach all the controls with the thumb.
- ∴ **+ 3 D lens attachment.** An aid to accommodation, magnifies the image.
- ∴ **Add-on binocular attachment available.** Instrument can be up-dated for binocular use.

Available for use with a 3.5V rechargeable handle or 6V cord handle with wall/desk charger EN50 or portable mPack.

The 6V version is recommended for incorporation into ophthalmic examination units.

Monocular Hand-held Indirect Ophthalmoscope	3.5V	6V
with + 3 D lens attachment and orbit rest extension	C-002.33.001	C-004.33.001
XHL Xenon Halogen spare bulb	X-002.88.050	X-004.88.081
+ 3 D lens attachment only [01]		C-000.33.101
Orbit rest extension, for spectacle wearers only		C-000.33.104

## Hand-held Indirect Ophthalmoscope, BINOCULAR



[01]

The addition of the binocular attachment to the Hand-held Indirect Ophthalmoscope makes stereoscopic examination possible. PD selection from 54 to 74 mm.

- ∴ **Symmetrical selection of PD.** Quick and easy to adjust.
- ∴ **Multi-coated precision optics.** Exceptional image quality.

Available for use with a 3.5V rechargeable handle or 6V cord handle with wall/desk charger EN50 or mPack.

The 6V version is recommended for incorporation into ophthalmic examination units.

Binocular Hand-held Indirect Ophthalmoscope	3.5V	6V
with + 3 D lens attachment and orbit rest extension	C-002.33.002	C-004.33.002
XHL Xenon Halogen spare bulb	X-002.88.050	X-004.88.081
Binocular attachment only [01]		C-000.33.106



## HEINE® A.R. Aspheric Ophthalmoscopy Lenses

### with anti-reflex A.R. coating



- ∴ **Advanced triple multicoating.** Reduced reflection, excellent light transmission.
- ∴ **Lens curvature matches that of the retina.** Perfect, distortion-free retinal image.
- ∴ **Large diameter.** Significant increase in field of view without magnification loss.
- ∴ **Aspheric surfaces.** Reduced distortion of the periphery.

#### Ophthalmoscopy Lens

##### with case

A.R. 16D, 54 mm dia.	C-000.17.225
A.R. 20D, 50 mm dia.	C-000.17.228
A.R. 30D, 46 mm dia.	C-000.17.231

## Model Eyes

### HEINE Ophthalmoscope Trainer



This model eye was developed for the teaching environment. It is the first adjustable model from HEINE to mimic the human eye. Precise, durable and with a multitude of uses, it simplifies the learning process and encourages the student to practice with the ophthalmoscope.

- ∴ **Refractive error.** Can be set in 1-dpt. steps from -10 to +10 dpt.
- ∴ **Diameter of pupil.** Variable 2, 3, 4, 5, 6, 8 mm.
- ∴ **Aspheric optical glass lens.** Focal length  $F = 18\text{mm}$ . Lens curvature matches that of the retina.
- ∴ **Trainer body.** Made of metal – extremely stable and durable.
- ∴ **Angle of examination,** variable.

#### Model Eye

Ophthalmoscope Trainer	C-000.33.010
------------------------	--------------



## Model Eyes

### HEINE Skia/Retinoscope Trainer



This model eye is ideal for teaching and practice. The pupil diameter and refractive error can be set exactly and are therefore reproducible. The front lens compartment holder accepts up to two trial lenses. The cylinder can be read from the graduated scale.

- ∴ **Refractive error** can be set to any value in steps of 0.5 dpt from -7 to +6 dpt.
- ∴ **Scale** 0° – 180° for cylinder determination.
- ∴ **Diameter of pupil variable:** 2, 3, 4, 5, 6, 8 mm.
- ∴ **Optics:** Optical glass, achromatic lens, focal length F = 32 mm.
- ∴ **Trainer body made of metal:** Extremely stable and durable.
- ∴ **Angle of examination variable.**

Model Eye Skia/Retinoscope Trainer
------------------------------------

C-000.33.011
--------------

## Scleral-Depressor



Scleral-Depressor, large*
---------------------------

C-000.17.300
--------------

Scleral-Depressor, small*
---------------------------

C-000.17.301
--------------

\*autoclavable

## Fundus-Charts



Fundus-Charts, pad with 50 pcs.
---------------------------------

C-000.33.208
--------------

## Combi-Case



[01]

Combi-case for head-worn indirect binocular ophthalmoscopes. Features a deep, dense foam insert to protect instruments, and can be worn over the shoulder or as a backpack (removable straps included).

Combi-case [01] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284
---

C-079.03.000
--------------



[02]

Hard case [02] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284
--

C-079.00.000
--------------

# Laryngoscopes

## THE HEINE F.O. LARYNGOSCOPE RANGE WITH THE PLUS

### LED and XHL Xenon halogen technology

The HEINE Classic+ F.O. Laryngoscope range combines HEINE HiLite fiber optic bundles with the latest HEINE LED and XHL Xenon Halogen Technology for HEINE F.O. Laryngoscope Handles to provide an excellent system.

With this innovative illumination technology HEINE F.O. Laryngoscopes are now further ahead of conventional F.O. blades and handles than ever.

The HEINE HiLite fiber optic bundle with a diameter up to 100% larger has not only excellent light transmission, but is also autoclavable to an unprecedented extent.



### Complete compatibility

The versatile HEINE range of handles offers the right alternative for almost any combination: Laryngoscope handles with and without charge status display, various handle diameters and lengths, with 2.5V batteries, 3.5V NiMH or Lithium batteries together with the new NT300 table charger.

**5 year warranty for blades** (4000 standard autoclave cycles of 134°C/5 min. with more than 1000 lux.)

HEINE products excel through fine workmanship and quality materials. This allows HEINE to give a 5 year warranty on all handles and blades with HEINE HiLite fiber optics bundles.

HEINE F.O. Laryngoscope Blades and Handles are conform to the ISO 7376 (green standard).





## HEINE Classic+® Macintosh Fiber Optic (F.O.) Blades

### Innovative Fiber Optic Technology for advanced performance



- ⚡ Easy intubation
- ⚡ 4000 autoclave cycles
- ⚡ 5 year warranty

- ⚡ **HEINE HiLite fiber bundle** with 4.3 mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ⚡ **Both ends of the large fiber bundle** are protected – for life.
- ⚡ **Integrated Fiber Optic for the best possible illumination.**
- ⚡ **With the alternative of LED or XHL illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ⚡ With Classic+ there are **no connecting screws** to get lost, no external light pathways to get wrong and no tricky openings or crevices to get dirty – a major contribution to eliminating cross-infection.
- ⚡ **Smooth shape avoids sharp edges and cavities** for easy cleaning and sterilizing.
- ⚡ **These blades need no maintenance** – ever.
- ⚡ **2.5V battery or 3.5V rechargeable power** for even more light.
- ⚡ **Compatible with all handles** to the ISO 7376 (green standard).
- ⚡ **High quality stainless steel construction.**
- ⚡ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years**. 4000 standard autoclave cycles of 134 °C/5min. with more than 1000 lux.



Mac 3 end-view



Mac 3 side-view



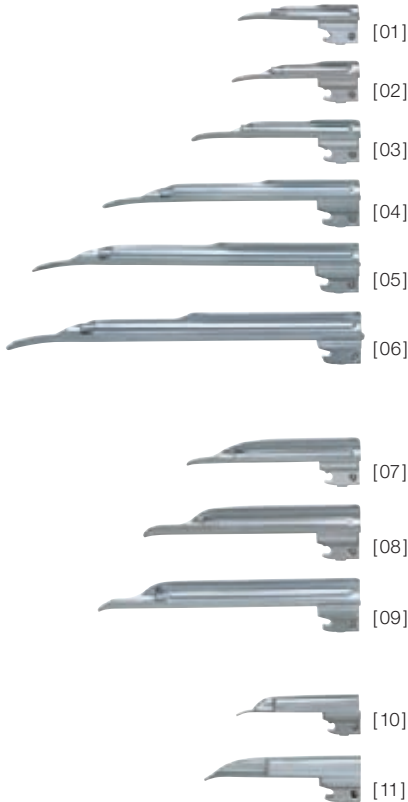
Size	Overall length	Distal width	
Mac 0 [01]	82mm	9mm	<b>F-000.22.100</b>
Mac 1 [02]	93mm	11 mm	<b>F-000.22.101</b>
Mac 2 [03]	115mm	13mm	<b>F-000.22.102</b>
Mac 3m* [04]	135mm	15mm	<b>F-000.22.143</b>
Mac 3 [05]	135mm	15mm	<b>F-000.22.103</b>
Mac 4 [06]	155mm	15mm	<b>F-000.22.104</b>
Mac 5 [07]	176mm	15mm	<b>F-000.22.105</b>

\* stronger curve



HEINE® Classic+ Miller, WIS and Paed Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance



- ∴ **The Miller Classic+ F.O. Blades with improved geometry simplify intubation.**  
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **Both ends of the large fiber bundle** are protected – for life.
- ∴ **With the alternative of LED or XHL illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ With classic+ there are **no connecting screws** to get lost, no external light pathways to get wrong and no tricky openings or crevices to get dirty – a major contribution to eliminating cross-infection.
- ∴ **Smooth shape avoids sharp edges and cavities** for easy cleaning and sterilizing.
- ∴ These blades need **no maintenance** – ever.
- ∴ **2.5V battery or 3.5V rechargeable power** for even more light.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years**. 4000 standard autoclave cycles of 134 °C/5 min. with more than 1000 lux.
- ∴ **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neo-nates and infants.

- ∴ Easy intubation
- ∴ 4000 autoclave cycles
- ∴ 5 year warranty



Miller 2 end-view



WIS 2 end-view



Paed 1 end-view



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

Size	Overall length	Distal width	
Miller 00 [01]	76mm	9.5mm	F-000.22.119
Miller 0 [02]	80mm	10.5mm	F-000.22.120
Miller 1 [03]	100mm	11.5mm	F-000.22.121
Miller 2 [04]	152mm	13mm	F-000.22.122
Miller 3 [05]	192mm	13mm	F-000.22.123
Miller 4 [06]	207mm	15.9mm	F-000.22.124
WIS 1 [07]	110mm	13mm	F-000.22.131
WIS 2 [08]	130mm	16mm	F-000.22.132
WIS 3 [09]	160mm	16mm	F-000.22.133
Paed 0 [10]	82mm	12mm	F-000.22.110
Paed 1 [11]	95mm	13mm	F-000.22.111

## HEINE® Mac Modular+ Fiber Optic (F.O.) Laryngoscope Blades

### With easy-to-remove Fiber Optic Light Module



Mac Modular+ F.O. Laryngoscope Blades: Both blade and light module are autoclavable and can be fitted or removed in seconds without a screwdriver. The light module does not project into the line of sight, making intubation safer and easier.

- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **With the alternative of LED or XHL illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ **Modular construction** – swap modules in a few seconds.
- ∴ **Ideal Mac shape** with no light pipe in the line of sight.
- ∴ **Blade module made entirely of stainless steel.**
- ∴ **Economical modular design.**
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/5 min. with more than 1000 lux.



Mac 3 F.O. Modular+ blade, complete



Mac 3 Blade module, stainless steel



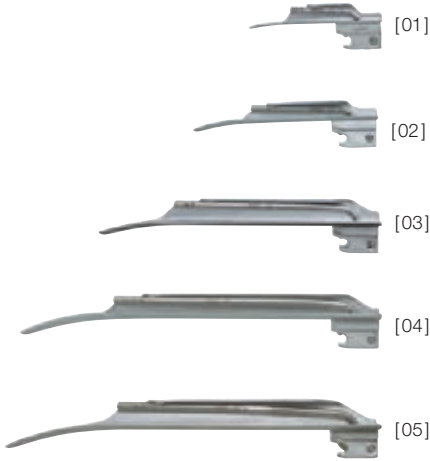
Mac 3 F.O. Light module

Dimensions	Overall length	Distal width
Mac 1	95 mm	12 mm
Mac 2	114 mm	15 mm
Mac 3	133 mm	15 mm
Mac 4	156 mm	15 mm

Size	F.O. Modular+ blade, complete	Blade module, metal	F.O. Light module
Mac 1 [01]	F-000.22.501	F-000.22.531	F-000.22.561
Mac 2 [02]	F-000.22.502	F-000.22.532	F-000.22.562
Mac 3 [03]	F-000.22.503	F-000.22.533	F-000.22.563
Mac 4 [04]	F-000.22.504	F-000.22.534	F-000.22.564

## HEINE® Miller Modular+ Fiber Optic (F.O.) Laryngoscope Blades

### With easy-to-remove Fiber Optic Light Module



Miller Modular+ F.O. Laryngoscope Blades: Both blade and light module are autoclavable and can be fitted or removed in seconds without a screwdriver. The improved geometry guarantees a clear, unobstructed view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.

- ∴ **HEINE HiLite fiber bundle** for improved light transmission and longer life.
- ∴ **With the alternative of LED or XHL illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ **Blade with quickly-detachable fiber optic light module.**
- ∴ **Blade and light modules both autoclavable up to 134 °C/5 min.**
- ∴ The ideal position of the fiber optic bundle **eases intubation.**
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High quality stainless steel construction.**
- ∴ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/5 min. with more than 1000 lux.



Miller 2 F.O. Modular+ blade, complete



Miller 2 blade module, metal



Miller 2 F.O. Light module

Dimensions	Overall length	Distal width
Miller 0	76 mm	11 mm
Miller 1	104 mm	12 mm
Miller 2	154 mm	15 mm
Miller 3	195 mm	15 mm
Miller 4	205 mm	17 mm

Size	F.O. Modular+ blade, complete	Blade module metal	F.O. Light module
Miller 0 [01]	F-000.22.510	F-000.22.540	F-000.22.570
Miller 1 [02]	F-000.22.511	F-000.22.541	F-000.22.571
Miller 2 [03]	F-000.22.512	F-000.22.542	F-000.22.572
Miller 3 [04]	F-000.22.513	F-000.22.543	F-000.22.573
Miller 4 [05]	F-000.22.514	F-000.22.544	F-000.22.573



## HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade

### A useful Tip for a difficult intubation

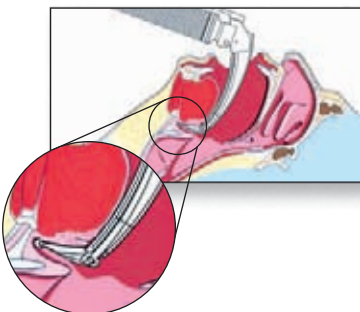
∴ Swivelling blade tip

∴ Clear view

∴ 5 year warranty

The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- ∴ **HEINE HiLite fiber bundle.** With a 4.3mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ∴ **With the alternative of LED or XHL illumination:** With either 3x or 40% brighter light as with conventional halogen bulbs.
- ∴ **Integrated Fiber Optics for the best possible illumination.**
- ∴ **High quality stainless steel construction.**
- ∴ **Swivelling blade tip facilitates difficult intubation.**
- ∴ **Reduced likelihood of damage** to teeth and soft tissue.
- ∴ **Fits all standard F.O. handles** (green standard). Exception: F.O. Angled Handle.
- ∴ **5 years warranty.** 4000 standard autoclave cycles of 134 °C/5 min. with more than 1000 lux.



#### FlexTip+ F.O. Laryngoscope Blade in case

Mac 3	F-000.22.313
Mac 4	F-000.22.314
Mac 3 and Mac 4	F-000.22.316

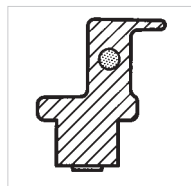


HEINE® SANALON+ Fiber Optic (F.O.) Laryngoscope Blades

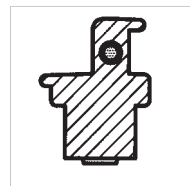
Reusable Emergency Laryngoscope Blades



- ⋄ Reusable F.O. Laryngoscope Blade made of tough, durable SANALON.
- ⋄ HEINE HiLite fiber bundle for improved light transmission and longer life.
- ⋄ With the alternative of LED or XHL illumination: With either 3x or 40% brighter light as with conventional halogen bulbs.
- ⋄ Tremendous strength with low weight.
- ⋄ Rounded edges significantly reduce the risk of injury.
- ⋄ Blades do not “freeze” or stick to the tongue at low temperatures.
- ⋄ Compatible with all handles to the ISO 7376 (green standard).



Mac 2 end-view



Paed 1 end-view



Miller 2 end-view



Mac 2 side-view



Paed 1 side-view



Miller 2 side view

SANALON+ blades	Overall length	Distal width	
Mac 2	115mm	13mm	F-000.22.202
Mac 3a	145mm	15mm	F-000.22.213
Paed 1	95mm	13mm	F-000.22.221
Miller 2	155mm	13mm	F-000.22.232
Miller 4	212mm	13mm	F-000.22.234

<b>Handle</b>	2.5V
Laryngoscope Handle F.O. SP with bulb	F-001.22.815
XHL Xenon Halogen spare bulb	X-001.88.035
Zipper pouch, without content	F-158.01.000



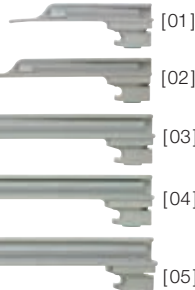
HEINE SANALON+ Emergency Set please see page 096.

## HEINE® XP Disposable Laryngoscope Blades

### Eliminate cross-infection



XP Miller



The Disposable Laryngoscope Blade features the HEINE Classic+ blade shape of the world's best-selling integral fiber optic blade. With proper use the disposable XP blade avoids cross-infection from one patient to the next.

- ∴ **No danger of cross-infection.**
- ∴ **Hygienic and safe.**
- ∴ **Optimum light transmission** by oversize light guide.
- ∴ **Extremely bright light** from the XHL Xenon Halogen bulb in the handle.  
With LED illumination, if preferred.
- ∴ **Blade shape optimized to ease the passage of the tube.**
- ∴ **Patient-friendly** with **reduced risk of injury** or damage to teeth.
- ∴ **Extreme torsional stiffness**, practically unbreakable.
- ∴ **Blades do not “freeze”** or stick to the tongue at low temperatures.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).

XP Mac



XP Miller 1 side-view



XP Mac 2 side-view

∴ Hygienic and safe

∴ Extremely bright light

∴ Torsional stiffness

XP blade	Overall length	Distal width	
Miller 0 [01]	80mm	10mm	F-000.22.771*
Miller 1 [02]	104mm	10mm	F-000.22.772*
Miller 2 [03]	155mm	13mm	F-000.22.773*
Miller 3 [04]	195mm	13mm	F-000.22.774*
Miller 4 [05]	221mm	14mm	F-000.22.775*
Mac 1 [06]	90mm	9mm	F-000.22.761*
Mac 2 [07]	114mm	10mm	F-000.22.762*
Mac 3 [08]	134mm	14mm	F-000.22.763*
Mac 4 [09]	154mm	14mm	F-000.22.764*

\* 25 disposable blades individually packed in Dispenser Box.

HEINE XP Emergency Set please see page 096.

ⓧ: Single use only.

## HEINE® XP Disposable Laryngoscope Handle Shell

### Eliminates cross-infection



The Disposable Laryngoscope Handle Shell with bottom cap is powered by the best-selling battery insert for HEINE F.O. handles. The battery insert can be removed from the handle shell after intubation without risk of contamination, when handled properly.

#### XP Disposable Laryngoscope Handle Shell with bottom cap

without battery insert, pack of 25 F-000.22.926

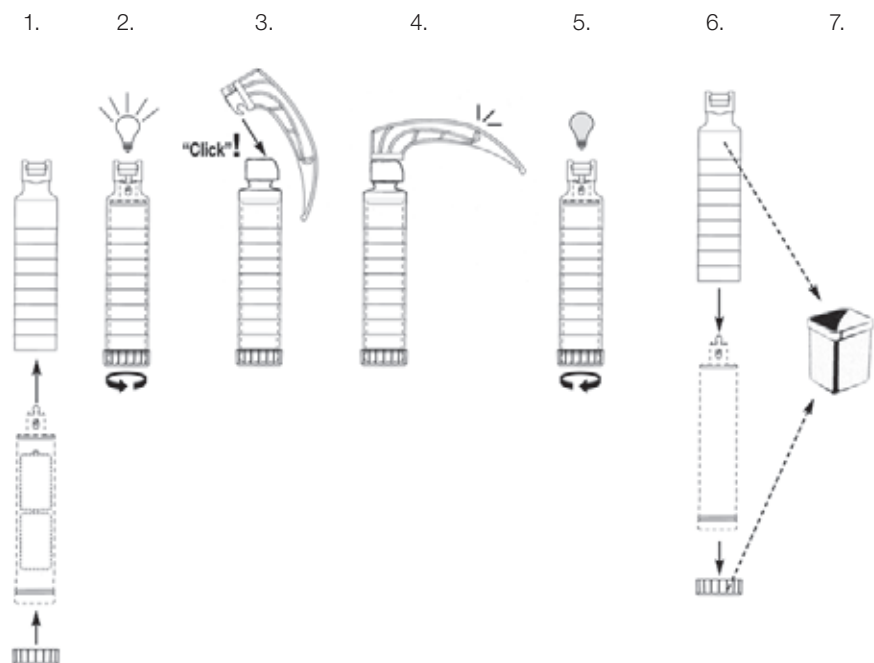
Battery insert for F.O. handles	2.5V	3.5V NiMH	3.5V  IDN*
---------------------------------	------	-----------	------------

Battery insert* for Standard F.O. handles with bottom cap and XHL Xenon Halogen bulb	F-001.22.858	F-002.22.868	F-007.22.868*
--	--------------	--------------	---------------

XHL Xenon Halogen spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
------------------------------	--------------	--------------	--------------

\* LED battery insert is incompatible with the XP handle shell.

: Single use only.



The XP Disposable Handle Shell is designed to be the “outer shell” for a standard HEINE battery or rechargeable battery insert (2.5V or 3.5V XHL Xenon Halogen). The HEINE battery insert is placed inside the XP disposable handle shell and the bottom cap is attached. By turning the bottom cap, the handle is turned on, delivering full XHL Xenon Halogen illumination. After the procedure, the user simply unscrews the bottom cap, and slides the clean battery insert out, leaving just the cap, XP handle shell and XP laryngoscope blade to be disposed of.

# Laryngoscope Handles and Sets

HEINE offers the most complete and versatile range of Laryngoscope handles on the market: From various sizes and lengths to 2.5V and 3.5V, in alkaline and rechargeable battery configurations (Lithium and NiMH), to exclusive charge status display functions and table chargers.

Our handles are illuminated by state-of-the-art LEDs or HEINE XHL Xenon Halogen bulbs, both meeting our high quality standards.

Laryngoscope handles are part of our LED<sup>HQ</sup> series, which means LED now in HEINE Quality. They offer perfect luminosity and excellent colour rendering, as well as absolutely homogenous illumination of the pharynx. Due to very efficient thermal management systems integrated into our handles, they offer virtually unlimited working life so that bulb replacement is no longer needed.

LED<sup>HQ</sup>



## HEINE® Standard F.O. Laryngoscope Handle with LED illumination




[01]

[02]

The white LED light is close to daylight and provides homogenous light over the whole examination site with constant electronic control of brightness.

- ∴ **HEINE Standard F.O. Laryngoscope Handle** [01] with LED illumination.  
The LED is situated in the Battery Insert [02].
- ∴ **Very bright, white light** with a reference colour temperature of 6,500 Kelvin.
- ∴ **Enhanced contrast.**
- ∴ **LED 3 times as bright as conventional 3.5V halogen bulbs.**
- ∴ **Working life of the LED:** 50,000 hours.
- ∴ **Indicator Function:** When the dry cell or rechargeable battery capacity is low, brightness is reduced to 30 % to notify the user it is time to replace or charge the batteries.
- ∴ **The handle shell can be sterilized or autoclaved while the battery insert is being charged.** Also compatible with Sterrad® and other low-temperature gas plasma sterilisation procedures.
- ∴ **HEINE Standard F.O. LED handles can be converted from battery to rechargeable specification by exchanging the bottom cap.**
- ∴ **Compatible with all blades to the ISO 7376 (green standard).**

## HEINE® Standard F.O. L Update Option for LED Handle

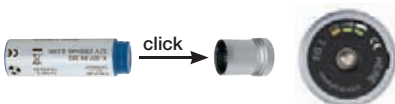


Charge Status:

100 – 67 %

66 – 34 %

33 – 1 %



All LED handles can be updated with the Standard F.O. L bottom cap featuring **Charge Status Display**.

- ∴ **Charge Status Display** in the bottom insert. Display lights for 10 seconds when the handle is switched on or removed from the charger to indicate the remaining battery charge.
- ∴ **Two hours charging time** with the NT 300 table charger.
- ∴ **More than 5 hours working time.**
- ∴ **Downwards compatible.** The Li-ion L Rechargeable Battery with Standard F.O. L Rechargeable Handle can also be charged in existing NT 200 table chargers.

To upgrade existing laryngoscope handles, please order the Standard F.O. L bottom cap together with the corresponding Li-ion L Battery.

## HEINE® Standard F.O. Laryng. Handle with Halogen illumination



[01]

[02]

- ∴ **HEINE Standard F.O. Laryngoscope Handle [01]** with handle shell and battery insert [02] with XHL Xenon Halogen Technology.
- ∴ **Lightweight and convenient.**
- ∴ The handle **can be powered by either 2.5V batteries or a 3.5V rechargeable battery** for even more light. HEINE F.O. Handles can be converted from battery to rechargeable specification by exchanging the bottom cap.
- ∴ The Standard F.O. Laryngoscope Handle is also available with **Li-ion Technology** and **Charge Status Display** (see below).
- ∴ **The handle shell can be sterilized or autoclaved while the battery insert is being charged.** Also compatible with Sterrad® and other low-temperature gas plasma sterilisation procedures.
- ∴ **Compatible with all blades to the ISO 7376 (green standard).**

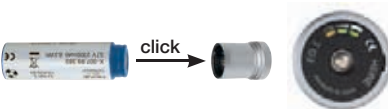
## HEINE® Standard F.O. L Update Option



Charge Status:  
100 – 67 %

66 – 34 %

33 – 1 %



Standard F.O. and F.O. Angled Laryngoscope Handles with XHL Xenon Halogen illumination can be updated with the Standard F.O. L bottom cap featuring **Charge Status Display**.

- ∴ **Charge Status Display** in the bottom insert. Display lights for 10 seconds when the handle is switched on or removed from the charger to indicate the remaining battery charge.
- ∴ **Two hours charging time** with the NT 300 table charger.
- ∴ **2.5 hours working time.**
- ∴ **Downwards compatible.** The Li-ion L Rechargeable Battery with Standard F.O. L Rechargeable Handle can also be charged in existing NT 200 table chargers.

To upgrade existing laryngoscope handles, please order the Standard F.O. L bottom cap together with the corresponding Li-ion L Battery.



HEINE F.O. Laryngoscope Handles

Ordering Information



LED <sup>HD</sup> Standard F.O. LED Laryngoscope Handle	2.5V	3.5V NiMH	3.5V
Standard F.O. LED handle, complete [01]	F-008.22.860	F-008.22.863	F-008.22.891
Battery insert without bottom cap [02]	F-008.22.890	F-008.22.890	F-008.22.890*
Bottom cap [03] [04] [05]	F-001.22.861	F-002.22.867	F-002.22.887*
Rechargeable battery [06] [07]	-	X-002.99.382	X-007.99.383
Handle shell [08]	F-000.22.824	F-000.22.824	F-000.22.824
NT300 charger, only (without handle)	-	X-002.99.495	X-002.99.495



Standard F.O. Laryngoscope Handle	2.5V	3.5V NiMH	3.5V
Standard F.O. handle, compl. [01]	F-001.22.860	F-002.22.863	F-007.22.885
Battery insert without bottom cap [02]	F-001.22.859	F-002.22.859	F-002.22.859
Bottom cap [03] [04] [05]	F-001.22.861	F-002.22.867	F-002.22.887*
Rechargeable battery [06] [07]	-	X-002.99.382	X-007.99.383
Handle shell [08]	F-000.22.824	F-000.22.824	F-000.22.824
Spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
NT300 charger, only (without handle)	-	X-002.99.495	X-002.99.495

\* not compatible with XP Handle Shell.

: Rechargeable handle with charge status display in the bottom insert.

In addition to the Standard F.O. Laryngoscope Handle HEINE offers a lot of further versions of laryngoscope handles to suit the needs of all customers. All handles listed are available both with replaceable and rechargeable batteries (except for the SANALON F.O. SP Laryngoscope handle). Caution: The new small and short LED handles are available as 2.5V battery version (designation 2.5V) and as 2.5V rechargeable version (designation 2.5V NiMH).



LED <sup>HD</sup> Small F.O. LED Laryngoscope Handle	2,5V	2,5V NiMH
Small F.O. LED Handle, complete [01]	F-008.22.800	F-008.22.806*
LED Battery insert without bottom cap [02]	F-008.22.801	F-008.22.801*
Bottom cap [03] [04]	F-000.22.851	F-000.22.852
LED Rechargeable battery M2Z [05]	-	X-001.99.306*
Handle Shell [06]	F-000.22.804	F-000.22.804
NT300 charger only (without handle/without adaptor)	-	X-002.99.495
Two adaptor sets for NT300 Charger	-	X-000.99.086

\*only rechargeable with the NT300 recharging station starting with the serial number SN 101 1000 001.



Small F.O. Laryngoscope Handle	2.5V	3.5V NiMH
Small F.O. Handle, complete [01]	F-001.22.800	F-002.22.806
Battery insert without bottom cap [02]	F-001.22.801	F-002.22.801
Bottom cap [03] [04]	F-000.22.851	F-000.22.852
Rechargeable battery [05]	-	X-002.99.106
Handle Shell [06]	F-000.22.804	F-000.22.804
Spare bulb	X-001.88.035	X-002.88.044
NT300 charger only (without handle/without adaptor)	-	X-002.99.495
Two adaptor sets for NT300 Charger	-	X-000.99.086



HEINE F.O. Laryngoscope Handles

Ordering Information



LED <sup>HD</sup> Short F.O. LED Laryngoscope Handle	2.5V	2.5V NiMH
<b>Short F.O. LED Handle, complete</b>		
Battery version [01] or rechargeable version [02]	<b>F-008.22.812</b>	<b>F-008.22.414*</b>
Rechargeable battery [03]	-	<b>X-001.99.307*</b>
NT300 charger only (without handle)	-	<b>X-002.99.495</b>

\*only rechargeable with the NT300 recharging station starting with the serial number **SN 101 1000 001**.



Short F.O. Laryngoscope Handle	2.5V	3.5V NiMH
<b>Short F.O. Handle, complete</b> 2,5V [01] or 3,5V [02]	<b>F-001.22.812</b>	<b>F-002.22.414</b>
Rechargeable battery K3Z [03]	-	<b>X-002.99.393</b>
Spare bulb	<b>X-001.88.035</b>	<b>X-002.88.044</b>
NT300 charger only (without handle)	-	<b>X-002.99.495</b>

The Fiber Optic Angled Handle can be fitted with any HEINE Fiber Optic blade. The angle of the blade to the handle gives a significantly better view for intubation e.g. in cases of injury to the neck. One F.O. Angled Handle for all F.O. Blades (except FlexTip).



F.O. Angled Handle	2.5V	3.5V NiMH	3.5V
<b>F.O. Angled Handle, complete</b> [01]	<b>F-001.22.941</b>	<b>F-002.22.942</b>	<b>F-007.22.945</b>
Bottom cap [02] [03]	<b>X-000.99.119</b>	<b>X-002.99.412</b>	
Rechargeable battery [04]	-	<b>X-002.99.382</b>	
Spare bulb	<b>X-001.88.035</b>	<b>X-002.88.044</b>	<b>X-002.88.044</b>
NT300 charger, only (without handle)	-	<b>X-002.99.495</b>	<b>X-002.99.495</b>

Cost-effective high quality battery handle with SANALON connector. Not recommended for use with metal blades.



F.O. SP Laryngoscope Handle	2.5V
<b>F.O. SP Handle, complete</b> [01]	<b>F-001.22.815</b>
Spare bulb	<b>X-001.88.035</b>

HEINE® NT300 Table Charger and Adaptors



All rechargeable HEINE F.O. Laryngoscope Handles can be charged in the HEINE NT300 table charger as well as HEINE NT200 table charger). Exceptions are the rechargeable versions of the Short and the Small F.O. L LED Handles\*. Some require the use of an adaptor. For detailed information about the NT300 table charging station and adaptors please see page 157.

NT300 table charger	
Charger without handle, with adaptors for Standard F.O., Short F.O. and F.O. Angled Laryngoscope Handles [03]	<b>X-002.99.495</b>
Two adaptors for Small F.O. Laryng. Rechargeable Handles [01] + [02]	<b>X-000.99.086</b>

\*Due to the increased demands on the charging management function of these rechargeable batteries, a latest generation HEINE NT300 recharging station must be used to properly and fully recharge these rechargeable batteries. Latest generation HEINE NT300 recharging stations can be identified by the serial number on the underside of the recharging station. Recharging stations starting with the serial number **SN 101 1000 001** are compatible.



HEINE® Classic+ Fiber Optic (F.O.) Laryngoscope Sets

Set complete with: **Paed 1, Mac 2, Mac 3 blades**  
 spare XHL Xenon Halogen bulb  
 zipper case



Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion
with Standard F.O. Battery Handle	<b>F-119.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-119.20.865</b>	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-119.29.865</b>

As above, but with LED illumination, without spare bulb



LED Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-119.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-119.28.865</b>	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-119.98.865</b>

Ⓛ: Rechargeable handle with charge status display in the bottom insert.

HEINE® Classic+ Fiber Optic (F.O.) Laryngoscope Sets

Set complete with: **Paed 1, Mac 2, Mac 3, Mac 4 blades**  
 spare XHL Xenon Halogen bulb  
 zipper case



Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion
with Standard F.O. Battery Handle	<b>F-120.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-120.20.865</b>	
Ⓛ with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-120.29.865</b>



As above, but with LED illumination, without spare bulb

LED Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-120.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-120.28.865</b>	
Ⓛ with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-120.98.865</b>

Ⓛ: Rechargeable handle with charge status display in the bottom insert.



HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade Sets



FlexTip+ F.O. Laryngoscope Set complete with: **Blade Mac 3**  
spare XHL Xenon Halogen bulb  
case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. Battery Handle	<b>F-227.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-227.20.865</b>	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-227.29.865</b>



As above, but with LED illumination, without spare bulb

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. LED Battery Handle	<b>F-227.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-227.28.865</b>	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-227.98.865</b>

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 **F-227.01.000**

: Rechargeable handle with charge status display in the bottom insert.

HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade Sets



FlexTip+ F.O. Laryngoscope Set complete with: **Blade Mac 4**  
spare XHL Xenon Halogen bulb  
case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. Battery Handle	<b>F-229.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-229.20.865</b>	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-229.29.865</b>



As above, but with LED illumination, without spare bulb

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. LED Battery Handle	<b>F-229.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-229.28.865</b>	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-229.98.865</b>

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 **F-227.01.000**

: Rechargeable handle with charge status display in the bottom insert.



HEINE® FlexTip+ Fiber Optic (F.O.) Laryngoscope Blade Sets



FlexTip+ F.O. Laryngoscope Set complete with: **Blades Mac 3, Mac 4**  
spare XHL Xenon Halogen bulb  
case

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. Battery Handle	<b>F-230.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-230.20.865</b>	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-230.29.865</b>



As above, but with LED illumination, without spare bulb

FlexTip+ Sets	2.5V	3.5V NiMH	3.5V 
with Standard F.O. LED Battery Handle	<b>F-230.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-230.28.865</b>	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-230.98.865</b>

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230	<b>F-227.01.000</b>
FlexTip+ Mac 3 and Mac 4, without handle, in case	<b>F-000.22.316</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE® Mac Modular+ Fiber Optic (F.O.) Laryngoscope Sets



Laryngoscope Set complete with: **F.O. Modular+ blade Mac 1, Mac 2, Mac 3 and Mac 4**  
 spare XHL Xenon Halogen bulb  
 zipper case

Modular+ Sets	2.5V	3.5V NiMH	3.5V LI ION
with Standard F.O. Battery Handle	<b>F-228.10.860</b>		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-228.20.865</b>	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-228.29.865</b>



As above, but with LED illumination, without spare bulb

Modular+ Sets	2.5V	3.5V NiMH	3.5V LI ION
with Standard F.O. LED Battery Handle	<b>F-228.18.860</b>		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		<b>F-228.28.865</b>	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			<b>F-228.98.865</b>

: Rechargeable handle with charge status display in the bottom insert.



HEINE® SANALON+ Emergency Laryngoscope Sets



<b>SANALON+ Emergency Laryngoscope Set with blades Paed 1, Mac 2 and Mac 3a, spare XHL Xenon Halogen bulb, F.O. SP Handle 2.5V, two alkaline batteries, in case</b>	<b>F-155.10.815</b>
---	---------------------

<b>SANALON+ Emergency Laryngoscope Set with blades Mac 2 and Mac 3a, F.O. SP Handle 2.5V, two alkaline batteries, in zipper pouch</b>	<b>F-158.10.815</b>
---	---------------------

<b>SANALON+ Emergency Laryngoscope Set with blades Paed 1 and Mac 3a, F.O. SP Handle 2.5V, two alkaline batteries, in zipper pouch</b>	<b>F-163.10.815</b>
--	---------------------

HEINE® XP Emergency Set with XP Disposable Blades



Specially-developed for emergency-use featuring the HEINE XP® Disposable Laryngoscope Blades. These sets are equipped with XP blades of the same anatomically-correct shape as the Classic+ blade, the world's best-selling F.O. blade with integrated fiber optic bundle.

The HEINE XP Emergency Laryngoscope Set is complete with the 5 most frequently-used blade types and sizes for infants and adults. Instantly-ready for use with F.O. SP Handle and replaceable batteries.

<b>XP Emergency Set</b>	<b>2.5V</b>
<b>with blades Miller 0, Miller 1, Mac 2, Mac 3, Mac 4, F.O. SP Handle 2.5V, two alkaline batteries, in case</b>	<b>F-257.10.815</b>

XP* Blades	Overall Length	Distal Width	
Miller 0	80mm	10mm	F-000.22.771*
Miller 1	104mm	10mm	F-000.22.772*
Mac 2	114mm	10mm	F-000.22.762*
Mac 3	134mm	14mm	F-000.22.763*
Mac 4	154mm	14mm	F-000.22.764*

\*25 disposable blades (25) individually packed in Dispenser Box.

<b>XP Emergency Set Accessories</b>	<b>2.5V</b>
<b>F.O. SP Laryngoscope Handle 2.5V, with bulb</b>	<b>F-001.22.815</b>

<b>XHL Xenon Halogen spare bulb for F.O. SP Handle</b>	<b>X-001.88.035</b>
<b>Refill assortment of 5 XP Blades, Miller 0, 1, Mac 2, 3, 4 (one each, 5 pieces in total)</b>	<b>F-000.22.740</b>



# Dermatoscopes

## **MORE DETAILS FOR AN EVEN BETTER DIAGNOSIS: POLARISATION, HIGH PERFORMANCE LEDS AND HIGH RESOLUTION OPTICS.**

While the rate of new cases of malignant melanoma is increasing worldwide, mortality rates have remained on the same level. This is mainly due to the fact that many countries now pay skin cancer prevention the attention it deserves. With early detection and treatment, long-term survival rates for malignant melanoma are excellent. With its Dermatoscopes, HEINE provides an essential tool in early detection.

The HEINE DELTA 20 Plus sets a new standard and helps doctors to refine their diagnosis in order to save more lives: The possibility to work with polarised light now allows a better visualisation of the crystalline and vascular structures.

### **Polarisation and immersion**

For the best diagnosis the examination method should be matched with the lesion. Therefore the contact plate can be exchanged and the lesion can be examined with polarisation (without liquids) or with immersion (with liquid).

### **New: LED now in HEINE quality**

The HEINE mini 3000 LED Dermatoscope: The pocket dermatoscope for rounds with LED illumination. Twice as bright as the conventional XHL Xenon Halogen variant.

### **Digital dermoscopic photography**

The HEINE SLR Photo Adaptor makes brilliant digital photos of high quality in dermoscopic and clinical photography possible.

LED HO



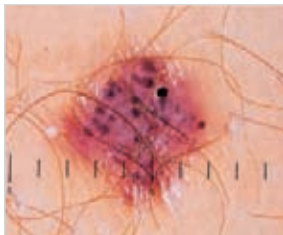
## HEINE DELTA® 20 Plus Dermatoscope




∴ Polarisation/Immersion

∴ High performance LEDs

∴ High-resolution optics



For dermatoscopic examination for early diagnosis of malignant melanoma. Also for the examination of non-melanocytic lesions, basal cell carcinoma and dermatofibroma. The skin surface refracts the light and partially reflects it. That's why either an immersion liquid between the dermatoscope and the skin (for example dermatoscopy oil) or polarised light is needed to observe pigment cells or other structures in the deeper skin layers.

- ∴ **Immersion and polarisation.** With different contact plates (contact plate N for immersion and contact plate P for polarisation) the examination can be matched with the respective lesion, because some characteristics are more visible when a liquid is used, others under polarised light.
- ∴ **4 high performance LEDs** produce an absolutely homogenous and bright illumination with excellent colour rendering (Colour rendering index CRI > 87).
- ∴ **High-resolution optics with achromatic lens system.** 10x to 16x magnification, distortion-free edge-to-edge, very large, highly detailed image.
- ∴ **Adjustable Eyepiece.** Individual focusing, range of correction -6 to +6 dpt.
- ∴ **Detailed compendium with photographic atlas included.** Simplifies the differential diagnosis of pigmented lesions.

DELTA20 Plus Dermatoscope Head	2.5V/3.5V LED
with contact plate P polarisation 23mm dia. with scale and dermatoscopy compendium, without handle	<b>K-008.34.212</b>
with contact plate P polarisation 23mm dia. without scale and dermatoscopy compendium, without handle	<b>K-008.34.213</b>
with contact plate N immersion 23mm dia. with scale and dermatoscopy compendium, without handle	<b>K-008.34.214</b>
with contact plate N immersion 23mm dia. without scale and dermatoscopy compendium, without handle	<b>K-008.34.215</b>
DELTA20 Plus Dermatoscope Head without contact plate	<b>K-008.34.210</b>

HEINE DELTA® 20 Plus Dermatoscope



Set complete with: **DELTA20 Plus Dermatoscope**  
contact plate for polarisation P 23mm dia. with scale  
dermatology compendium  
hard case



DELTA20 Plus P Sets for polarisation	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>K-258.10.118</b>		
BETA R rechargeable handle for mains socket		<b>K-258.20.376</b>	<b>K-258.27.376</b>
BETA NT rechargeable handle with NT300 charger		<b>K-258.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>K-258.29.420</b>

Set complete with: **DELTA20 Plus Dermatoscope**  
contact plate for immersion N 23mm dia. with scale  
10 ml dermatology oil  
dermatology compendium  
hard case



DELTA20 Plus N Sets for immersion	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>K-257.10.118</b>		
BETA R rechargeable handle for mains socket		<b>K-257.20.376</b>	<b>K-257.27.376</b>
BETA NT rechargeable handle with NT300 charger		<b>K-257.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>K-257.29.420</b>

Set complete with: **DELTA20 Plus Dermatoscope**  
contact plate for immersion N 23mm dia. with scale  
contact plate for polarisation P 23mm dia. with scale  
dermatology compendium  
hard case



DELTA20 Plus Sets (polarisation + immersion)	2.5V	3.5V (NiMH)	3.5V
Set C: BETA battery handle	<b>K-260.10.118</b>		
Set B: BETA R rechargeable handle for mains socket		<b>K-260.20.376</b>	
Set A:  BETA L rechargeable handle and NT300 charger and small contact plate, 8mm dia.			<b>K-259.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.



HEINE DELTA® 20 Dermatoscope

Dermatoscope with LED illumination

LED LIGHT



- ∴ Homogeneous, bright LED light
- ∴ High-resolution optics
- ∴ Digital photography



- ∴ **High-resolution optics with achromatic lens system.** 10x to 16x magnification, distortion-free edge-to-edge, very large, highly detailed image.
- ∴ **LED illumination close to daylight.** Full 6 LED illumination or, alternatively, lateral illumination from 3 LEDs for improved contrast, virtually unlimited working life.
- ∴ **Adjustable Eyepiece.** Individual focusing, range of correction -6 to +6 dpt.
- ∴ **Detailed compendium with photographic atlas included.** Simplifies the differential diagnosis of pigmented lesions.
- ∴ **Digital photography with the dermatoscope** when combined with an adaptor for a digital SLR camera.

DELTA20 Dermatoscope Head	2.5V/3.5V LED
with contact plate 23mm dia. with scale and dermatoscopy compendium, without handle	<b>K-008.34.201</b>
same, without scale, without handle	<b>K-008.34.207</b>
DELTA20 Dermatoscope Head without contact plate	<b>K-008.34.202</b>

Set complete with: **DELTA20 Dermatoscope**  
 contact plate 23mm dia. with scale  
 10ml dermatoscopy oil  
 dermatoscopy compendium  
 hard case



DELTA20 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>K-256.10.118</b>		
BETA R rechargeable handle for mains socket		<b>K-256.20.376</b>	<b>K-256.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>K-256.20.384</b>	<b>K-256.27.384</b>
BETA NT rechargeable handle with NT300 charger		<b>K-256.20.420</b>	
BETA L rechargeable handle and NT300 charger			<b>K-256.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

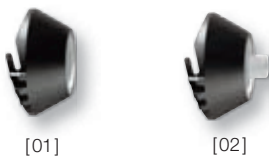
Accessories

for the DELTA20 Dermatoscope Plus and DELTA20 Dermatoscope



**Contact plate for DELTA20 Plus**

Polarisation (P) 23 mm dia. with scale [01]	K-000.34.212
Polarisation (P) 23 mm dia. without scale [01]	K-000.34.213
Immersion (N) 23 mm dia. with scale [02]	K-000.34.214
Immersion (N) 23 mm dia. without scale [02]	K-000.34.215
Small contact plate, 8 mm dia. [03] for the examination of inaccessible lesions	K-000.34.205



**Contact plate for DELTA20**

23 mm dia. without scale [01]	K-000.34.203
23 mm dia. with scale [01]	K-000.34.204
Small contact plate, 8 mm dia. [02] for the examination of inaccessible lesions	K-000.34.205



**Dermatoscopy oil**

Pack of 6 x 10 ml. It is applied to the external skin layers, making them transparent.	K-000.34.005
---	--------------



**SLR Photo adaptor**

for Dermatoscope/digital SLR camera, with optics.  
Wide Field of View, crisp image

for Canon	K-000.34.185
for Nikon	K-000.34.186
for Olympus	K-000.34.187



**Adaptor cord**

(1.3 m) for instrument/handle	X-000.99.231
-------------------------------	--------------



**BETA Belt Clip**

for BETA handle	X-000.99.008
-----------------	--------------



**Photo Accessory Set**

includes SLR Photo adaptor, adaptor cord, distance ring and BETA Belt Clip

for Canon	K-000.34.190
for Nikon	K-000.34.191
for Olympus	K-000.34.192

## HEINE mini3000® Dermatoscope

### A Dermatoscope in a handy pocket format



∴ Modern pocket dermatoscope

∴ Solid metal construction

∴ 10x magnification

Modern pocket dermatoscope in a unique, compact design with high-quality optics, 10x magnification with focusing optics, metal instrument head. Can be used with the mini3000 handle system. Handle available in black and blue.

- ∴ **Xenon Halogen bulbs.** Concentrated, bright light for uniform illumination with exact colour rendering.
- ∴ **20,000 ON/OFF switch cycles** guaranteed.
- ∴ **High quality colour-neutral optic system** with achromatic lenses provides **distorsion-free edge-to-edge, sharp images** of the whole area under examination with **10x magnification**.
- ∴ **5 contact plates for the examination to choose from:** contact plates with and without scale which can be autoclaved.
- ∴ **Special small contact plate** for the examination of difficult to access lesions.
- ∴ Detailed dermoscopy compendium.
- ∴ **Replaceable batteries (Size AA)**, or optional rechargeable battery with mini NT table charger\*.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Award-winning design.** Maximum quality with minimum dimensions.

mini 3000 Dermatoscope	2.5V
with contact plate, mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	<b>D-001.78.107</b>
with contact plate <b>with scale</b> , mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	<b>D-001.78.109</b>
with contact plate, with bulb, without handle	<b>D-001.78.106</b>
with contact plate <b>with scale</b> , with bulb, without handle	<b>D-001.78.108</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.109</b>



\*To upgrade to a rechargeable instrument, with mini NT table charger, please see page 158.

## HEINE mini3000® LED Dermatoscope

### with LED Illumination in HEINE Quality HQ



- ∴ Maintenance-free pocket instrument
- ∴ Bright LED illumination
- ∴ Up to 10 hours operation time

Modern dermatoscope with maintenance-free LED illumination. Twice as bright as conventional Xenon Halogen dermatoscopes.

All of the features of the mini3000 Dermatoscope, with the addition of:

- ∴ **Maintenance-free**, no need to ever exchange the LED.
- ∴ LED Thermal management for a **consistent light output throughout the whole working life**.
- ∴ High-performance-LED: bright and absolutely homogeneous **illumination with an excellent colour rendering** – colour temperature 4000K, colour rendering index >95.
- ∴ **100 % more light** compared to Xenon Halogen instruments.
- ∴ **Exclusive Battery Performance Indicator**: When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Exclusive fade-out function** reduces illumination intensity with battery level to let you know when to replace.
- ∴ **Operation time up to 10 hours**. The batteries need to be changed less often and the rechargeable batteries last longer.

mini3000 LED Dermatoscope	2,5V
with contact plate, mini3000 battery handle with batteries and 10ml dermatoscopy oil	<b>D-008.78.107</b>
with contact plate <b>with scale</b> , mini3000 battery handle with batteries and 10ml dermatoscopy oil	<b>D-008.78.109</b>
with contact plate, with bulb, without handle	<b>D-008.78.106</b>
with contact plate <b>with scale</b> , with bulb, without handle	<b>D-008.78.108</b>



Set complete with: **mini3000 LED Dermatoscope**  
with contact plate without scale, 10 ml dermatoscopy oil, zipper case

mini3000 LED Dermatoscope Set	2,5V
mini3000 Battery handle with batteries	<b>D-887.78.021</b>



\*To upgrade to a rechargeable instrument, with mini NT table charger, please see page 158.

## Accessories

### for mini 3000 LED Dermatoscope and mini 3000 Dermatoscope



[01]



[02]

#### Contact plate

without scale [01]	D-000.78.116
--------------------	--------------

with scale [01]	D-000.78.117
-----------------	--------------

Small contact plate, 8 mm dia. [02] for the examination of inaccessible lesions	K-000.34.008
--	--------------



[03]

#### Dermatoscopy oil

(pack of 6 x 10 ml) is applied to the external skin layers, making them transparent	K-000.34.005
--	--------------



# Sphygmomanometers and Stethoscopes

## SHOCKPROOF, LATEX-FREE SPHYGMOMANOMETERS

The innovative HEINE GAMMA G series of latex-free aneroid sphygmomanometers offers top-quality and functionality with unmatched value for money. Highest precision and durability combined with a functional, modern design guarantee you long-term reliability in clinic and practice.

### Clinical Approval



HEINE GAMMA G Sphygmomanometers are now clinically-validated under the European Union protocol on hypertension. The validation confirms the long-term accuracy of measurement of systolic and diastolic blood pressure.

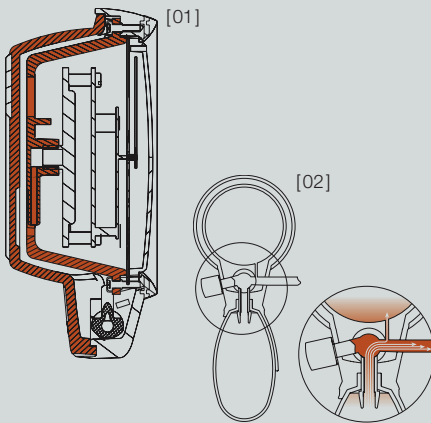
### Stethoscopes for precise auscultation.

HEINE GAMMA Series 3 stethoscopes are perfectly adapted to everyday use. Major improvements in acoustic performance increase the precision with which heart, lung and vascular sounds can be heard.





## SHOCKPROOF |

**SHOCKPROOF**

**[01] Shockproof double-walled construction with unique manometer protection.** The robust double-walled construction with a unique triple manometer mount gives ideal protection against shocks, comfortably exceeding both the European EN1060 and the American SP9 tests.

**AIR PRESSURE DISTRIBUTION SYSTEM**

**[02] Single-tube construction with an innovative air pressure distribution system.** The valve construction provides ideal air pressure conditions to absorb pressure peaks in air flow to the manometer during inflation. This advantage was only possible until now with twin-tube systems.

## HEINE GAMMA® G7

## The model with aluminium alloy construction and precision valve



∴ Shockproof

∴ Latex-Free

∴ Aluminium upper housing

∴ 10 year warranty

- ∴ Shockproof.
- ∴ Latex-Free.
- ∴ Exclusive Pressure-Distribution System.
- ∴ Pressure-Proof Manometer. Ensures durability and reliability.
- ∴ Micro-Filter. Protects valve and manometer.
- ∴ Large-diameter Scale. 56mm diameter black-on-white scale is easy to read.
- ∴ High Quality Indicator. Precisely calibrated, durable and shock resistant.
- ∴ Large Insufflation Bulb. 50 % larger bulb volume for fast inflation of the cuff.
- ∴ Exclusive Air-Release Valve. Provides fine and precise air release rate adjustment, quick deflation, and extreme durability. A rubber-stop prevents valve-lock.
- ∴ Upper housing made of aluminium alloy. Advanced thermo plastics (Polyamid / TP Elastomer) with a shock absorbing ring protects indicator and glass.
- ∴ Lower housing is moulded of a 2 component thermo plastic (Polyamid / TP Elastomer). Shock absorbing, anti-slip coating.
- ∴ Light alloy, adjustable Spoon. For both right- or left-handed operation.
- ∴ High quality, single-tube cuff with Velcro Fastener. Washable.
- ∴ Ergonomic Design: G7 is perfectly balanced for comfort and ease of use.
- ∴ 10 year warranty.\*

\*against defects in manufacture and workmanship for a period of 10 years from the date of purchase.

**GAMMA G7**

complete with adult cuff, in zipper pouch	M-000.09.232
complete with child cuff, in zipper pouch	M-000.09.233
Practice Kit with child, adult and small adult cuff in zipper pouch	M-000.09.554
complete with adult cuff without zipper pouch, box of 10	M-000.09.560

HEINE GAMMA® G5

**The HEINE standard sphygmomanometer**



∴ Shockproof

∴ Latex-Free

∴ Shock-absorbing Polyamid housing

Combines all the design and quality features of the GAMMA G7, except:

- ∴ **Housing is moulded of a 2 component thermo plastic (Polyamid/TP Elastomer).** Shock absorbing, anti-slip coating.
- ∴ **Adjustable Spoon (Polyamid Thermo Plastic).** For both right or left-handed operation.
- ∴ **5 year warranty.\***

\*against defects in manufacture and workmanship for a period of 5 years from the date of purchase.

GAMMA G5	
complete with adult cuff, in zipper pouch	<b>M-000.09.230</b>
complete with child cuff, in zipper pouch	<b>M-000.09.231</b>
Practice Kit with child, adult and small adult cuff in zipper pouch	<b>M-000.09.555</b>
complete with adult cuff without zipper pouch, box of 10	<b>M-000.09.561</b>

HEINE GAMMA® GP

**HEINE standard sphygmomanometer with push-button valve**



∴ Shockproof

∴ Latex-Free

∴ Shock-absorbing Polyamid housing

Combines all the design and quality features of the GAMMA G5, but with a push-button valve:

- ∴ **Innovative push-button valve.** Fine and precise air-release rate adjustment, ultra-fast air-release, practically wear-free. Easy to operate by both left and right-handed users.
- ∴ **5 year warranty.\***

\*against defects in manufacture and workmanship for a period of 5 years from the date of purchase.

GAMMA GP	
complete with adult cuff, in zipper pouch	<b>M-000.09.242</b>
complete with child cuff, in zipper pouch	<b>M-000.09.243</b>
Practice Kit with child, adult and small adult cuff in zipper pouch	<b>M-000.09.556</b>
complete with adult cuff without zipper pouch, box of 10	<b>M-000.09.562</b>



## HEINE GAMMA® XXL LF

## The top-quality professional model

Since the GAMMA XXL LF is non-mercurial, it is both safe and environmentally-friendly.



[01]

∴ Oversized scale

∴ Latex-Free

∴ 10 year warranty

- ∴ **Latex-free.**
- ∴ **Durable polycarbonate construction.** Will hold up in the busiest hospital and practice environments.
- ∴ **Oversized 130 mm Diameter Scale.** Can be pivoted for clear, easy reading from any angle.
- ∴ **Long Spiral Inflation Tube (3m).** For increased working distance.
- ∴ **High Quality Indicator.** Precisely-calibrated and durable.
- ∴ **Precision Air-Release Valve.** Fine and precise air release.
- ∴ **Pressure-Proof Manometer.** Ensures durability and reliability.
- ∴ **Wall, Desk, Rail and Wheeled Stand.** Adjustable height.
- ∴ **10 year warranty.\***

\*against defects in manufacture and workmanship for a period of 10 years from the date of purchase.

## GAMMA XXL LF

LF-W Wall [01]	M-000.09.323
LF-S Wheeled Stand [02]	M-000.09.326
LF-R Rail [03]	M-000.09.325
LF-T Desk (non-spiral insufflation tube) [04]	M-000.09.322

## Accessories

Cuff-holder for GAMMA XXL LF-T	M-000.09.141
Desk stand for GAMMA XXL LF-T	M-000.09.142
Adjustable wheeled stand for GAMMA XXL LF-S	M-000.09.145
Universal mounting plate for GAMMA XXL LF-W, -S, -R	M-000.09.306
Rail clamp for GAMMA XXL LF-R	M-000.09.307



[03]



[04]



[02]

Blood-pressure cuffs and accessories

Latex-free blood-pressure cuffs

Cuffs for GAMMA G7/G5/GP/XXL LF sphygmomanometers.



- ✚ Latex-free.
- ✚ Fit the most widely-used sphygmomanometers.
- ✚ High-quality velcro cuffs made of wear-resistant material. Physiologically tested.
- ✚ Double-sewn.
- ✚ Washable.
- ✚ Index mark for exact positioning.
- ✚ Clear indication of size and control mark for arm circumference.
- ✚ Extra-thick, highly-flexible tube. For a long life.
- ✚ Proven reliability. Absolutely airtight system.

	GAMMA G7/G5/GP	Single-tube cuffs (cpl.)			Single-tube bladders		Outer cuffs	
		Size	Circumference/cm		Size		Size	
	Small child	6x28	8–13		5x15	M-000.09.661	6x28	M-000.09.059
	Child	10x34	13–20		8x20	M-000.09.663	10x34	M-000.09.060
	Small adult	14x53	20–29		11x23	M-000.09.664	14x53	M-000.09.061
	Adult	14x58	29–41		12x28	M-000.09.665	14x58	M-000.09.055
	Large adult	20x86	>41		18x52	M-000.09.667	20x86	M-000.09.057

	GAMMA XXL LF	Twin-tube cuffs (cpl.)			Twin-tube bladders		Outer cuffs	
		Size	Circumference/cm		Size		Size	
	Small child	6x28	8–13		5x15	M-000.09.671	6x28	M-000.09.059
	Child	10x34	13–20		8x20	M-000.09.673	10x34	M-000.09.060
	small adult	14x53	20–29		11x23	M-000.09.674	14x53	M-000.09.061
	Adult	14x58	29–41		12x28	M-000.09.675	14x58	M-000.09.055
	Large adult	20x86	>41		18x52	M-000.09.677	20x86	M-000.09.057



## HEINE GAMMA® STETHOSCOPIES

- ∴ **Solid chest piece** and ideal weight avoid stray noise from manipulation and ensure excellent resonance. Hygienic matt chrome finish.
- ∴ **Chest piece with non-chill rims** for the comfort of the patients.
- ∴ Ergonomic, chrome-plated binaurals. Individually adjustable.
- ∴ **High-quality Y- piece tubing** for perfect acoustics and sound reproduction. Length 56 cm.
- ∴ **Latex-free** materials.

## HEINE GAMMA® 3.1 Pulse Stethoscope

**For fine acoustic performance.**



- ∴ **Stethoscope with solid flat chest piece.** The chest piece can be easily inserted under the sphygmomanometer cuff.
- ∴ **High-quality membrane, 44 mm dia.**
- ∴ **Single-tube construction** with excellent sound transmission.
- ∴ **Includes ear olives** (large/soft) for sound insulation.
- ∴ **Optional available:** Ear olives, (small/hard) (M-000.09.946).

GAMMA 3.1

M-000.09.941

## HEINE GAMMA® 3.2 Acoustic Stethoscope

**For excellent acoustic performance.**



Technical data as GAMMA 3.1, but with a double chest piece.

- ∴ **Combined double chest piece** with two different frequency ranges to choose from: A high-quality membrane on one side and a conical acoustic head on the other side.
- ∴ **High-quality membrane, 44 mm diameter** for excellent acoustic performance and sound transmission.
- ∴ **Cone diameter 30 mm.**

GAMMA 3.2

M-000.09.942

## HEINE GAMMA® 3.3 Acoustic Stethoscope

**For the examination of children.**



Technical data as GAMMA 3.2.

- ∴ **Reduced contact area** of 31 mm makes GAMMA 3.3 ideal for examining children.

GAMMA 3.3

M-000.09.943

## HEINE GAMMA® C3 Cardio Stethoscope

**Specially-developed for cardiology.**



- ∴ **Exceptional acoustic performance**, particularly in the cardiac frequency range.
- ∴ **Combined double chest-piece** with two different frequency ranges. Instant selection of a double membrane on one side or a conical acoustic head on the other.
- ∴ **High-performance double membrane, 45 mm diameter** gives ideal sound transmission and perfect skin contact for exceptional sound reproduction.
- ∴ **Two-in-one tube system** for enhanced performance. Very supple, yet kink-resistant with exceptional acoustic reproduction.
- ∴ **Includes ear olives** (large/soft) and one pair of replacements (small/hard) for sound insulation.

GAMMA C3

M-000.09.944

# Proctological Instruments

## RELIABLE INSTRUMENTS FOR BETTER DIAGNOSIS

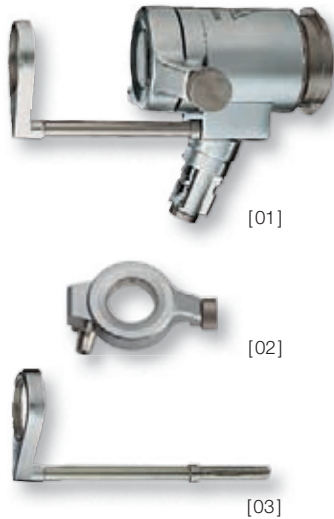
The HEINE Proctology Range includes both single-use and reusable instruments. Illumination is by HEINE F.O. Projector, 6V Lamp Handle or BETA 3.5V Handle with illumination adaptor.

Single-use instruments effectively avoid cross-contamination. Annular light transmission is through the tube wall to the distal end. The light is homogenous and reflex-free and up to five times brighter than that of conventional single-use systems.

Single-use HEINE Ano-, Procto- and Sigmoidoscope tubes can all be used with the HEINE illumination head. The same applies to certain systems from other manufacturers. The insertion depth can be read off the tube itself.



## Instrument head for HEINE UniSpec® tubes



Illumination by Fiber Optic cable and projector, lamp handle or 3.5V BETA Handle with illumination adaptor (X-002.98.002).

- ∴ **Annular Fiber Optic illumination.** Bright, reflex-free illumination.
- ∴ **Magnifying lens 1.5x.** High-resolution image.
- ∴ **Hinged viewing window with insufflation port.** Improved vision by insufflation.
- ∴ **Stainless Steel.**

Instrument head for UniSpec Disposable Tubes	
complete with viewing window and swivel lens 1,5x [01]	E-003.18.100
without viewing window and swivel lens	E-003.18.098
Viewing window only [02]	E-003.18.099
Swivel lens 1.5x, only (for sigmoidoscopes) [03]	E-003.18.096
same, but 1.8x (only suitable for proctoscopes and anoscopes)	E-003.19.099

## HEINE UniSpec® Disposable Tubes



85x20mm    130x20mm    250x20mm

- ∴ **Disposable.** No cross-infection.
- ∴ **No cleaning required.** Saves time.
- ∴ **Moulded in patient-friendly thermoplastic.**  
No cold sensation on insertion.
- ∴ **Light transmission through the tube wall.** Distal annular light exit.  
Bright, homogeneous illumination of the area examined, reflex reduction.
- ∴ **Graduated inside the tube for patient comfort.** Indication of insertion length.

UniSpec Disposable Anoscopes (85 x 20 mm)	
Pack of 25 disposable anoscopes	E-003.19.925
Box of 100 (4 packs of 25) anoscopes	E-003.19.911

UniSpec Disposable Proctoscopes (130 x 20 mm)	
Pack of 25 disposable proctoscopes	E-003.19.825
Box of 100 (4 packs of 25) proctoscopes	E-003.19.811

UniSpec Disposable Sigmoidoscopes (250 x 20 mm)	
Pack of 25 disposable sigmoidoscopes	E-003.18.825
Box of 100 (4 packs of 25) sigmoidoscopes	E-003.18.811

ⓧ: Single use only.



### HEINE Anoscope/Proctoscope illumination head



[01]

**One single illumination head for all the tubes shown on this page.**  
For 2.5V or 3.5V handle or Fiber Optic illumination with Fiber Optic projector and cable.

- ∴ **A wide range of tubes with either direct or 90° direction of view available.**  
Many different diagnostic and treatment methods are possible.
- ∴ **Tubes can be rotated through 360°.** Select the ideal position for treatment or examination.
- ∴ **Viewing window and swivel lens both offer 2x magnification.**  
High-resolution image.
- ∴ **Smooth, rounded surface.** Easy to clean. F.O. version can be cleaned with conventional disinfectants.



[03]



[02]

Illumination head	2.5V	3.5V	F.O.
complete with swivel lens and viewing window [01]	<b>E-001.19.101</b>	<b>E-002.19.101</b>	<b>E-003.19.120</b>
Illumination head without accessories	<b>E-001.19.102</b>	<b>E-002.19.102</b>	<b>E-003.19.121</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.040</b>	<b>X-002.88.051</b>	
Swivel lens, only [02]			<b>E-000.19.103</b>
Viewing window, only [03]			<b>E-000.19.104</b>

### Tubes with straight direction of view

**Anoscope/Proctoscope with proximal illumination.**

- ∴ **Distal end of tube angled.** Assures a good view and easy access with instruments.
- ∴ **All-metal construction.** Easy to clean and disinfect with conventional solutions.



60x22mm

120x22mm

Tubes with straight direction of view	
Anoscope tube 60mm x 22mm dia., complete with obturator	<b>E-000.19.111</b>
Proctoscope tube 120mm x 22mm dia., complete with obturator	<b>E-000.19.107</b>

### Tubes with 90° direction of view (Blond)

**Proctoscope with proximal illumination.**

- ∴ **Polished metal viewing mirror.** Tough, unbreakable.
- ∴ **End-piece with mirror detachable.** Easy to clean, disinfect or sterilize.



100x20mm



130x25mm

Proctoscope Tubes	
Proctoscope tube, 90° direction of view, 130mm x 25mm dia.	<b>E-000.19.105</b>
Proctoscope tube, 90° direction of view, 100mm x 20mm dia.	<b>E-000.19.114</b>



## HEINE F.O. Anoscopes with annular Fiber Optic illumination



70x25mm

70x20mm

70x15mm

Illumination by Fiber Optic cable and projector, lamp handle or 3.5V BETA handle with illumination adaptor (X-002.98.002).

- ∴ **Three different diameters: 15 mm, 20 mm and 25 mm.** Useful range of sizes.
- ∴ **Annular Fiber Optic illumination.** Bright illumination of the area to be examined.
- ∴ **Angled tube-end.** Ensures a good view and easy access with instruments.
- ∴ **Rounded proximal shield.** Easy insertion and rotation.
- ∴ **Tube can be dismantled.** Easy to clean and disinfect with conventional solutions.
- ∴ **Stainless steel.** Durable.

Anoscope	F.O.
70x25 mm dia., complete with obturator	E-003.19.325
70x20 mm dia., complete with obturator	E-003.19.320
70x15 mm dia., complete with obturator	E-003.19.315

## HEINE F.O. Proctoscopes with distal annular illumination



[01]

[02]

[03]

[04]

[05]

Illumination by Fiber Optic cable and projector, lamp handle or 3.5V BETA handle with illumination adaptor (X-002.98.002).

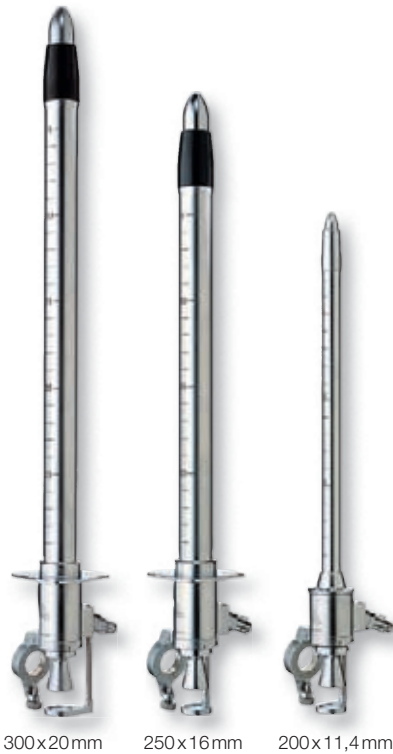
- ∴ **Distal annular Fiber Optic (F.O.) illumination.** Bright, reflex-free illumination.
- ∴ **Magnifying lens 1.8x magnification.** High-resolution image.
- ∴ **Hinged viewing window with insufflation port.** Vision can be improved by insufflation.
- ∴ **Angled tube-end.** Improves vision and access.
- ∴ **End-piece can be unscrewed.** Easy to clean and disinfect with conventional solutions.
- ∴ **Stainless steel.** Durable.

Proctoscope	F.O.
130x20 mm dia., complete with obturator, viewing window, swivel lens and end-piece	E-003.19.213
Proctoscope tube without accessories [01]	E-003.19.013
Obturator, only [02]	E-003.19.113
End-piece, only [03]	E-003.19.095
Viewing window, only [04]	E-003.18.099
Swivel lens 1.8 x, only [05]	E-003.19.099

HEINE F.O. Sigmoidoscopes with distal annular illumination

Illumination by Fiber Optic cable and projector, lamp handle or 3.5V BETA handle with illumination adaptor (X-002.98.002).

- ∴ Available in various sizes: 300x20 mm, 250x20 mm, 200x20 mm, 250x16 mm, 200x11.4 mm. Sizes suitable for most patients of all ages.
- ∴ Distal annular Fiber Optic (F.O.) illumination. Bright, reflex-free illumination.
- ∴ Swivel lens with 1.5x magnification. High-resolution image.
- ∴ Opening viewing window with insufflation port. Vision can be improved by insufflation.
- ∴ Graduated in cm. Indication of insertion length.
- ∴ Plastic end-piece. Insulated.
- ∴ End-piece can be unscrewed. Easy to clean and disinfect with conventional solution.
- ∴ Stainless steel. Durable.



Sigmoidoscope	F.O.
300x20 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.230
End-piece, only	E-003.18.095
250x20 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.225
End-piece, only	E-003.18.095
200x20 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.220
End-piece, only	E-003.18.095
250x16 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.525
End-piece, only	E-003.18.088
200x11.4 mm dia. with obturator, viewing window and swivel lens	E-003.18.240
End-piece, only	E-003.18.094



Viewing window, only [01]	E-003.18.099
Swivel lens 1.5x, only [02]	E-003.18.096

## Telescope



For use with proctoscope and rectoscope with distal illumination and with instrument head for UniSpec disposable tubes.

- ∴ **Superb prismatic optical system with colour-corrected lenses.** Upright image in true colour.
- ∴ **Magnification 3 – 5.5 x.** Excellent resolution.
- ∴ **Hinged clip-fitting.** Does not hinder instrumentation.

Telescope	E-000.18.908
-----------	--------------

## Rubber Insufflation Bulb/Hygiene Filter



- ∴ **Rubber insufflation** bulb to use with anoscopies, proctoscopes and sigmoidoscopes.
- ∴ **Hygiene filter** to use with the rubber insufflation bulb. This filter is intended for single use only and prevents contamination of the rubber insufflation bulb.

Rubber insufflation bulb	E-000.18.105
--------------------------	--------------

Disposable Hygiene Filters 25 pcs/pack	E-000.18.116
--	--------------

## Sponge Holder



- ∴ **High quality design in stainless steel.**

Sponge holder 400mm working length	E-000.18.906
------------------------------------	--------------

## Suction Tube



- A sliding clip attaches the suction tube to the instrument head.
- ∴ **Stainless steel.**

Suction tube 400mm working length	E-000.18.907
-----------------------------------	--------------

## HEINE Illumination adaptor



Can be attached to any HEINE 3,5V power source to illuminate any HEINE fiber optics instrument, e.g. anoscope, proctoscope or sigmoidoscope.

<b>Illumination adaptor</b>	<b>3.5V</b>
-----------------------------	-------------

Illumination adaptor	X-002.98.002
----------------------	--------------

XHL Xenon Halogen spare bulb	X-002.88.078
------------------------------	--------------

### Anoscope instrument kit ATE

An attractively-priced kit, recommended for diagnosis and therapy of haemorrhoids.



Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x.  
Pack of 25 UniSpec Anoscope Tubes 85 mm  
Plug-in transformer E7 with lamp handle with switch bulb

Anoscope instrument kit ATE	6V
Complete Anoscope instrument kit ATE	E-095.16.510
XHL Xenon Halogen spare bulb	X-004.88.060

### Sigmoidoscope/Proctoscope kit RTE

Inexpensive but complete kit of instruments for routine rectal examination.



Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x.  
Pack of 25 UniSpec Sigmoidoscope Tubes 250 mm  
Pack of 25 UniSpec Proctoscope Tubes 130 mm  
Pack of 25 UniSpec Anoscope Tubes 85 mm  
Sponge holder  
Insufflation bulb  
Plug-in transformer E7 with lamp handle with switch bulb

Sigmoidoscope/Proctoscope kit RTE	6V
Complete Sigmoidoscope/Proctoscope kit RTE	E-095.16.501
XHL Xenon Halogen spare bulb	X-004.88.060
Disposable Hygiene Filters 25 pcs/pack	E-000.18.116

## Sigmoidoscope/Proctoscope Kit RE 7000



This kit is similar to RTE but features even better illumination by Fiber Optic Projector HK 7000.

Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x  
 Pack of 25 UniSpec Sigmoidoscope Tubes 250 mm  
 Pack of 25 UniSpec Proctoscope Tubes 130 mm  
 Pack of 25 UniSpec Anoscope Tubes 85 mm  
 Sponge holder  
 Insufflation bulb  
 F.O. Projector HK7000, 150W  
 Fiber Optic cable

Sigmoidoscope/Proctoscope Kit RE 7000	F.O.
Complete Sigmoidoscope/Proctoscope kit	E-096.15.501
Spare bulb, 150W	Y-096.15.102
Disposable Hygiene Filters 25 pcs/pack	E-000.18.116

## Sigmoidoscope/Proctoscope Kit RD 7000



Classic set with fiber optic light. Suitable for deeper examination with 300 mm Sigmoidoscope.

Set complete with: **Sigmoidoscope 300 mm x 20 mm dia.** and obturator with viewing window  
 Proctoscope 130 mm x 20 mm dia. and obturator with viewing window  
 swivel lens and spare end-cap  
 Suction tube  
 Sponge holder  
 Insufflation bulb  
 F.O. Projector HK7000, 150W  
 Fiber Optic cable

Sigmoidoscope/Proctoscope Kit RD 7000	F.O.
Complete Sigmoidoscope/Proctoscope Kit RD7000	E-096.15.600
Spare bulb, 150W	Y-096.15.102
Disposable Hygiene Filters 25 pcs/pack	E-000.18.116

HEINE Proctology Sets



Set A complete with: **Anoscope/Proctoscope Head**

Anoscope/Proctoscope tubes with straight view  
Tubes with 90° angle of view (Blond)  
Hard case E-067.00.000  
XHL Xenon Halogen spare bulb

Proctology Sets	2.5V	3.5V (NiMH)	3.5V	6V
with BETA Battery Handle	<b>E-067.10.118</b>			
with BETA R Rechargeable Handle		<b>E-067.20.376</b>	<b>E-067.27.376</b>	
with 6V plug-in transformer E7 with lamp handle and switch for F.O. Projector*				<b>E-067.40.616</b> <b>E-067.00.960</b>



Set B complete with: **F.O. Proctoscope** complete with obturator

F.O. Sigmoidoscope complete with obturator **300 x 20 mm**

Sponge holder  
Suction tube  
Telescope  
Insufflation bulb  
Hard case E-066.00.000  
XHL Xenon Halogen spare bulb

Proctology Sets	6V
with 6V plug-in transformer E7, lamp handle and switch for F.O. Projector*	<b>E-066.30.616</b> <b>E-066.30.960</b>
Disposable Hygiene Filters 25 pcs/pack	<b>E-000.18.116</b>

\* Please order projector and F.O. cable separately. Further sets available. See price list.



Mader Proctology Sets



Proctoscope Set complete with: **Proctoscope illumination head**  
Proctoscope tube 100/20 mm with lateral window (Blond)  
XHL Xenon Halogen spare bulb

Proctology Sets	2.5V	3.5V (NiMH)	3.5V
BETA Battery Handle	<b>E-219.10.118</b>		
BETA NT Rechargeable Handle and NT300 Charger		<b>E-219.20.420</b>	
BETA L Rechargeable Handle and NT300 charger			<b>E-219.29.420</b>
XHL Xenon Halogen spare bulb	<b>X-001.88.040</b>	<b>X-002.88.051</b>	<b>X-002.88.051</b>



Procto-Sigmoidoscope Set complete with: **Proctoscope illumination head**  
**Fiber optics sigmoidoscope**, 250x20 mm with obturator and accessories  
Proctoscope tube 100/20 mm with lateral window (Blond)  
Sponge holder  
Illumination adaptor (X-002.98.002)  
One spare bulb each for Proctoscope illumination head (X-002.88.051) and Illumination adaptor (X-002.88.078)

Proctology Sets	3.5V (NiMH)	3.5V
BETA NT Rechargeable Handle and NT 300 charger	<b>E-218.20.420</b>	
BETA L Rechargeable Handle and NT 300 charger		<b>E-218.29.420</b>
Rubber insufflation bulb (not included in set)		<b>E-000.18.105</b>



: Rechargeable handle with charge status display in the bottom insert.



# Examination Lights

## EXCEPTIONALLY BRIGHT LIGHT FOR EVERYDAY USE

HEINE Examination Lights incorporate the latest in illumination technology: Flexible halogen examination lights with innovative bulb technology for exceptional brightness.

The three different mounting options by wheeled stand, wall- or clamp-mounting provide ideal solutions for the daily practice environment.



## HEINE® HL 5000 Examination Light

### Powerful Universal Halogen Light



- ∴ Two flexible sections
- ∴ Exceptionally-high light output
- ∴ 140,000 Lux at 30 cm

With an exceptionally-high light output of 140,000 lux at a distance of 30 cm the HL 5000 Examination Light is ideal for examining and recognizing small details. The flexible gooseneck construction provides a working radius of 120 cm. Three versions are available: wheeled stand, wall mounting, multi-purpose clamp.

- ∴ **Long-lasting 12V/50W halogen bulb gives 140,000 Lux light output at 30 cm.** Very bright, white light.
- ∴ **Extremely compact illumination head.** No obstruction of view, ease of handling.
- ∴ **3 different mounting options: wall, table or wheeled stand.** Versatile.
- ∴ **Halogen bulb lasts at least 4000 hours.** Economical.
- ∴ **Additional UV filter.** Increased safety during examination.
- ∴ **Solid construction with high-specification 120 cm radius gooseneck design.** Super-wide radius of operation, easy to position, light stays put in any selected position.
- ∴ **Additional IR-Filter reduces heat.** More comfort for the patient and examiner.

HL 5000 Examination Light	12V/50W
on non-tip wheeled stand, metal base [01]	J-005.27.106
on lightweight wheeled stand L, polycarbonat base [02]	J-005.27.108
with wall mount [03]	J-005.27.102
with clamp mount [04]	J-005.27.104
Halogen spare bulb 12V/50W [05]	J-005.27.111



HEINE® HL 1200 Examination Light



- ∴ Two flexible sections
- ∴ Ultra-slim head
- ∴ 90,000 Lux at 30 cm

- ∴ **Ultra-slim head.** More freedom of movement and an unobstructed view for the examiner.
- ∴ **Built-in temperature filter.** Avoids patient discomfort.
- ∴ **Exceeds all relevant quality standards.** Guaranteed protection for the patient even if e.g. a bulb fails.
- ∴ **“Stay-put” construction of flexible section.** Adjust the light to virtually any position and it “stays-put”, will not sag or droop.
- ∴ **Special non-tip wheeled stand.** Resists tipping to improve safety in clinic and practice.
- ∴ **Long-life 12V/20W lamp.** 4000 hours bulb life.
- ∴ **90,000 Lux light output at 30 cm.** Bright, white light.

HL 1200 Examination Light, 12V/20W	black	white
with wheeled stand, metal base [01]	J-005.27.068	J-005.27.067
with lightweight wheeled stand, polycarbonate base [02]	J-005.27.078	J-005.27.077
with additional multi-purpose clamp [03]	J-005.27.056	J-005.27.058
with wall-mounting bracket, can also be fitted to opt. wheeled stand [04]	J-005.27.052	J-005.27.054
Halogen spare bulb 12V/20W [05]	J-005.27.075	J-005.27.075



Wheeled stand (metal base) with mount for HL 1200 Light	Y-096.50.004
Wheeled stand (polycarbonate base) with mount for HL 1200 Light	Y-096.50.009
Mount for HL 1200 Light for wheeled stand	J-000.27.069
Black clamp, only	J-000.27.010
White clamp, only	J-000.27.012





HEINE® HKL Universal Fiber Optic (F.O.) Examination Light

The ideal light for any doctor's practice. Provides light similar to daylight. Can be powered by any HEINE F.O. Projector.

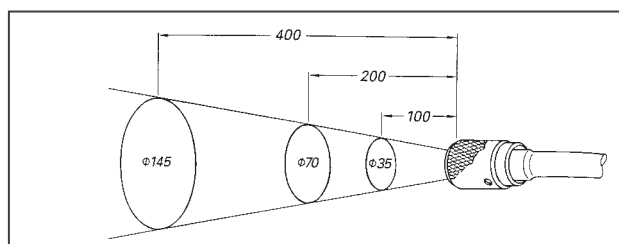
- ∴ **Adjustable Diaphragm Aperture.** Wide range of spot sizes. Bright, even light. No temperature increase.
- ∴ **Colour temperature 3800K.** "Daylight" illumination.
- ∴ **Long, flexible arm "stays put" where required.** Very flexible to position with long-reach arm.
- ∴ **Slimline head.** Unobstructed view.
- ∴ **Universal-mounting.** Suits the practitioner's needs.
- ∴ **Can be retro-mounted to existing projectors.** Makes an examination light out of any projector.
- ∴ **30,000 Lux light output at 20 cm with projector HK7000.**
- ∴ **Mounting options:**
  - on wheeled stand [01]
  - with clamp for table-top mounting (maximum 40mm thick) [02]
  - with clamp for vertical mounting to a tube up to 40mm dia. [03]
  - with clamp for mounting to square tube up to 40mm dia. [04]
  - wall-mounting for HK7000 Projector [05]



HKL Light	F.O.
on wheeled stand [01]	J-003.27.004
with clamp [02] [03] [04]	J-003.27.001
with wall-bracket [05]	J-003.27.002
Black clamp, only	J-000.27.010
White clamp, only	J-000.27.012
Base plate, only	J-000.27.011
Wheeled stand without base-plate	Y-096.50.001
Wheeled stand with base-plate	Y-096.50.002

Please order the projector separately. See page 170.

Light spot sizes



230V is the standard mains voltage. If a different voltage is required, e. g. 120V, please specify when ordering.

# Binocular Loupes

## HIGH MAGNIFICATION AND SHARP, CRISP IMAGES WITH POWERFUL LED ILLUMINATION

HEINE binocular loupes set a benchmark for design, hightech materials and precise manufacturing methods. They provide exceptional image quality and edge-to-edge definition and a large field of view.

Various magnifications (from 2x to 6x), working distances, wearing modes (unique S-FRAME, Lightweight Headband and Headband Professional L) and LED LoupeLight illumination systems are available. They provide homogenous, reflex-free illumination even in deep cavities. State-of-the-art LED technology and design!

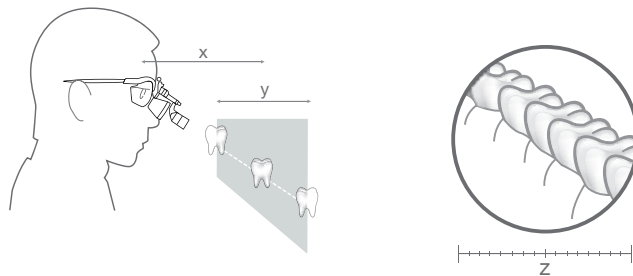
HEINE Binocular Loupes are used in many disciplines: e.g. General Medicine, Dermatology, Surgery, Cosmetic Surgery, Neurosurgery, ENT, Ophthalmology, Veterinary Medicine, Dentistry etc.



## HEINE Binocular Loupes Introduction

### Definitions:

- **Working distance (x)**  
The distance, at which the optics of a loupe are sharply-focused.
- **Depth of field (y)**  
The range over which the image remains sharply-focused.
- **Field of view (z)**  
The area that can be seen under magnification at the nominal working distance.



### How to choose the correct Loupe:

- **Choose your magnification**  
Choose the lowest magnification that meets your needs. The lower the magnification, the larger the field of view and the easier the loupe will be to use.
- **Choose your optics**
  - HR:** High-Resolution achromatic optics with excellent optical qualities.
  - HRP:** High Resolution Prismatic optics with excellent optical qualities for 3.5x magnification and higher.
  - HR-C:** Compact and lightweight optics with good optical qualities.
  - C:** Economy.
- **Choose your working distance**  
This is an individual choice depending on the examiner's size and working position. The longer the working distance, the bigger the field of view.
- **Choose your mounting option**  
Spectacle frame or Headband.
- **Add illumination**  
Coaxial bright light is especially-important when using magnification.

HEINE Binocular Loupes

	HR	HRP	HR-C	C
				 C 2.3K C 2.3
<b>Magnification</b>				
2x	<input type="checkbox"/>			
2.3x				<input type="checkbox"/>
2.5x	<input type="checkbox"/>		<input type="checkbox"/>	
3.5x		<input type="checkbox"/>		
4x		<input type="checkbox"/>		
6x		<input type="checkbox"/>		
<b>Working distance</b>				
250mm (with close-up lenses)	<input type="checkbox"/>	--	--	--
340mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
420mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
450mm	--	--	--	<input type="checkbox"/>
520mm	<input type="checkbox"/>	--	--	--
<b>Mounting options</b>				
<b>S-FRAME</b>				
 Lightweight Headband	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
 Professional Headband	--	--	<input type="checkbox"/>	<input type="checkbox"/>
 Simple Metal Frame	<input type="checkbox"/>	<input type="checkbox"/>	--	--
 Simple Metal Frame	--	--	--	<input type="checkbox"/>
<b>Accessories</b>				
Close-up Lenses*	<input type="checkbox"/> (for 340mm)	--	--	--
Protective Lenses	<input type="checkbox"/>	<input type="checkbox"/>	--	<input type="checkbox"/>
<b>LED LoupeLight (Pages 139/140)</b>				
 LED LoupeLight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
<b>Features</b>				
i-View Function**	<input type="checkbox"/>	<input type="checkbox"/>	--	--
Modular	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
Water-resistant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
Achromatic Optics	<input type="checkbox"/>	<input type="checkbox"/>	--	--
Optional Prescription Correction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	--
Page	128 – 131	132 – 133	134	135

\* To reduce the working distance to 250mm.

\*\* **i-View function:** Provides any angle of view and flips up the optics independently of the illumination beam.



## HEINE® HR 2x High Resolution Binocular Loupes with i-View loupe mount



∴ Multi-coated Achromatic Optics

∴ Exceptional Focal Range

∴ Crisp, High-Resolution Image

∴ Unique i-View Loupe Mount

### HR 2x Optics with i-View

- ∴ **Achromatic optics** for crisp, bright images with colour-correction.
- ∴ **Lightweight** (51 g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **Largest field of view and greatest depth of field.**
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LED LoupeLight.

### HR 2x Specifications

Working distance in mm	340	420	520
Field of view in mm	130	190	250
Depth of field in mm	130	200	290



Optional  
clip-in correction  
frame

### Mounting Options:

#### ∴ HEINE S-FRAME®

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kinetium reduces weight (24 g).
- ∴ **Tough polycarbonate protective lenses.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



Professional L  
Headband with  
S-GUARD

#### HEINE® Professional L Headband with S-GUARD®

- ∴ **S-GUARD splash protection.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**
- ∴ **Optional clip-in correction Frame** for prescription lenses.



Professional L  
Headband without  
S-GUARD

#### ∴ HEINE® Professional L Headband without S-GUARD®

- ∴ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**



HEINE® HR 2x High Resolution Binocular Loupes  
with i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

HR 2x Set with i-View loupe mount			
Working distance in mm	340	420	520
<b>Set A:</b> HR 2x optics with i-View on S-FRAME Protective lenses 2 sterilisable swivel levers Retaining cord Cleaning fluid Cleaning cloth Carrying case	C-000.32.375	C-000.32.376	C-000.32.377
<b>Set B:</b> HR 2x optics with i-View on Professional L Headband S-GUARD splash protection Protective lenses 2 sterilisable swivel levers Cleaning fluid Cleaning cloth	C-000.32.378	C-000.32.379	C-000.32.380
<b>Set C (without S-GUARD):</b> HR 2x optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.878	C-000.32.879	C-000.32.880

For details of accessories please see pages 137–138 and for LED LoupeLight see pages 139–140.



## HEINE® HR 2.5x High Resolution Binocular Loupes with i-View loupe mount



⚡ Multi-coated Achromatic Optics

⚡ Exceptional Focal Range

⚡ Crisp, High-Resolution Image

⚡ Unique i-View Loupe Mount

### HR 2.5x Optics with i-View

- ⚡ **Achromatic optics** for crisp, bright images with colour-correction.
- ⚡ **Lightweight** (51 g).
- ⚡ **Water-resistant.**
- ⚡ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ⚡ **High magnification** with a large field of view and excellent depth of field.
- ⚡ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LED LoupeLight.

### HR 2.5x Specifications

Working distance in mm	340	420	520
Field of view in mm	90	130	180
Depth of field in mm	110	180	260



Optional clip-in correction frame

### Mounting Options:

#### ⚡ HEINE S-FRAME®

- ⚡ **Maximum comfort** with a modern, ergonomic design.
- ⚡ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ⚡ **Innovative materials** – Carbon-Kinetium reduces weight (24 g).
- ⚡ **Tough polycarbonate protective lenses.**
- ⚡ **Optional clip-in correction frame** for prescription lenses.



Professional L Headband with S-GUARD

#### ⚡ HEINE® Professional L Headband with S-GUARD®

- ⚡ **S-GUARD splash protection.**
- ⚡ **Ergonomic nose pad** for comfort during long procedures.
- ⚡ **Fully-adjustable for height and width to fit any head.**
- ⚡ **Hygienic and comfortable leather cushions.**
- ⚡ **Optional clip-in correction Frame** for prescription lenses.



Professional L Headband without S-GUARD

#### ⚡ HEINE® Professional L Headband without S-GUARD®

- ⚡ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ⚡ **Ergonomic nose pad** for comfort during long procedures.
- ⚡ **Fully-adjustable for height and width to fit any head.**
- ⚡ **Hygienic and comfortable leather cushions.**

HEINE® HR 2.5x High Resolution Binocular Loupes  
with i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

HR 2.5x Sets with i-View loupe mount

Working distance in mm	340	420	520
<b>Set A:</b> HR 2.5x optics with i-View on S-FRAME Protective lenses 2 sterilisable swivel levers Retaining cord Cleaning fluid Cleaning cloth Carrying case	C-000.32.355	C-000.32.356	C-000.32.567
<b>Set B:</b> HR 2.5x optics with i-View on Professional L Headband S-GUARD splash protection Protective lenses 2 sterilisable swivel levers Cleaning fluid Cleaning cloth	C-000.32.365	C-000.32.366	C-000.32.367
<b>Set C (without S-GUARD):</b> HR 2.5x optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.865	C-000.32.866	C-000.32.867

For details of accessories please see pages 137–138 and for LED LoupeLight see pages 139–140.



## HEINE® HRP High Resolution Prismatic Binocular Loupes with i-View loupe mount



### HRP Optics with i-View

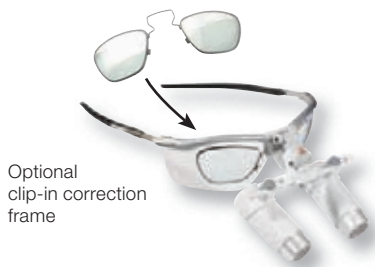
- ∴ **Achromatic optics** for crisp, bright images from edge to edge.
- ∴ **Lightweight** (85g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **Highest magnification:** Choice of 3.5x, 4x and 6x.
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LED LoupeLight.

- ∴ **Multi-coated Achromatic Optics**
- ∴ **Prismatic for highest magnification**
- ∴ **Crisp, High-Resolution Image**
- ∴ **Unique i-View Loupe Mount**

### HRP Specifications

Working distance in mm	HRP 3.5x/420	HRP 4x/340	HRP 6x/340
Field of view in mm	65	50	40
Depth of field in mm	60	40	30

### Mounting Options:



### ∴ HEINE S-FRAME®

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kinetium reduces weight (24g).
- ∴ **Tough polycarbonate protective lenses.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



### ∴ HEINE® Professional L Headband with S-GUARD®

- ∴ **S-GUARD splash protection.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**
- ∴ **Optional clip-in correction Frame** for prescription lenses.



### HEINE® Professional L Headband without S-GUARD®

- ∴ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**

HEINE® HRP High Resolution Prismatic Binocular Loupes  
with i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

HRP Sets with i-View

Working distance in mm	HRP 3.5x/420	HRP 4x/340	HRP 6x/340
<b>Set A:</b> HRP optics with i-View on S-FRAME Protective lenses 2 sterilisable swivel levers Retaining cord Cleaning fluid Cleaning cloth Carrying case	C-000.32.430	C-000.32.431	C-000.32.432
<b>Set B:</b> HRP optics with i-View on Professional L Headband S-GUARD splash protection Protective lenses 2 sterilisable swivel levers Cleaning fluid Cleaning cloth	C-000.32.440	C-000.32.441	C-000.32.442
<b>Set C (without S-GUARD):</b> HRP optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.840	C-000.32.841	C-000.32.842

For details of accessories please see pages 137–138 and for LED LoupelLight see pages 139–140.



HEINE® HR-C 2.5x High Resolution Binocular Loupes  
with rigid loupe mount



- ∴ Multi-coated Optics
- ∴ Compact and lightweight

HR-C 2.5x Optics

- ∴ **Multi-coated optics** for crisp, bright images.
- ∴ **Super-compact lightweight** (17 g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.

HR-C 2.5x Specifications

Working distance in mm	340	420
Field of view in mm	60	70
Depth of field in mm	110	140



Optional clip-in correction frame

Mounting Option:

∴ HEINE S-FRAME®

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kinetium reduces weight (24 g).
- ∴ **Tough polycarbonate protective lenses.**
- ∴ **Optional clip-in correction frame** for prescription lenses.

The HEINE Lightweight Headband is available as an option. See page 137 for ordering information.



HR-C 2.5x Set with rigid loupe mount

Working distance in mm	340	420
HR-C 2.5x optics	C-000.32.290	C-000.32.291
S-FRAME		
2 sterilisable swivel levers		
Retaining cord		
Cleaning fluid		
Cleaning cloth		
Carrying case		

For details of accessories please see pages 137–138 and for LED LoupeLight see pages 139–140.

## HEINE® C 2.3 Binocular Loupes

### The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.



C 2.3

- ∴ **Crisp, clear images.** Multi-coated, scratch-resistant silica glass lenses produce crisp, clear images.
- ∴ **Flexibility for precise adjustment.** Independently adjustable PD controls ensure precise alignment of the optics.
- ∴ **Super lightweight and comfortable – only 46g.** Flexible coil temples wrap-around to fit the user's anatomy securely and comfortably. Spring-loaded temples will adjust to the user's anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C 2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340mm or 450mm (13 or 18 inches).
- ∴ Also available as C2.3K on Lightweight Headband.



C 2.3K

Specifications	C 2.3x/ 340mm	C 2.3x/ 450mm
Magnification	2.3x	2.3x
Working distance	340mm	450mm
Field of view dia.	110mm	130mm
Weight	46g	46g
Depth of Field	120mm	190mm

User's refractive error	Effective working distance C 2.3x/ 340mm	Effective working distance C 2.3x/ 450mm
+2	440mm	670mm
+1	390mm	560mm
0	340mm	450mm
-1	300mm	420mm
-2	270mm	370mm

#### Important information for those who wear glasses:

The C 2.3K Series loupe can also be worn without the use of spectacles. Should you prefer to examine without glasses, the charts illustrate how your refractive error will affect the loupe working distance. If you are unsure of your prescription, please consult your eye care provider.

C 2.3/C 2.3K Binocular Loupes	
C 2.3/340 Loupe in case	C-000.32.039
C 2.3/450 Loupe in case	C-000.32.202
C 2.3K/340 Headband Loupe in case	C-000.32.230
C 2.3K/450 Headband Loupe in case	C-000.32.231

## Accessories



C 2.3/C 2.3K Binocular Loupe Accessories	
Protective case for the C 2.3 Loupes and accessories	C-000.32.038
Detachable protective lenses for C 2.3 and C 2.3K. To protect the optics. Can be sterilized by conventional methods.	C-000.32.097

## HEINE Binocular Loupes

## Ordering Information

## Optics with i-View loupe mount for S-FRAME in carrying case

Working distance in mm	340 mm	420 mm	520 mm
HR 2x	C-000.32.555	C-000.32.556	C-000.32.557
HR 2.5x	C-000.32.595	C-000.32.596	C-000.32.597
HRP 3.5x HRP 4x HRP 6x	C-000.32.721 C-000.32.722	C-000.32.720	

## Optics with i-View and S-GUARD for PROFESSIONAL L HEADBAND

Working distance in mm	340 mm	420 mm	520 mm
HR 2x	C-000.32.558	C-000.32.559	C-000.32.560
HR 2.5x	C-000.32.585	C-000.32.586	C-000.32.587
HRP 3.5x HRP 4x HRP 6x	C-000.32.711 C-000.32.712	C-000.32.710	

## Optics with i-View for PROFESSIONAL L HEADBAND (without S-GUARD)

Working distance in mm	340 mm	420 mm	520 mm
HR 2x	C-000.32.730	C-000.32.731	C-000.32.732
HR 2.5x	C-000.32.733	C-000.32.734	C-000.32.735
HRP 3.5x HRP 4x HRP 6x	C-000.32.737 C-000.32.738	C-000.32.736	

## Optics with rigid loupe mount for S-FRAME and LIGHTWEIGHT HEADBAND

Working distance in mm	340 mm	420 mm	520 mm
HR-C 2.5x	C-000.32.265	C-000.32.266	





HEINE Binocular Loupes Accessories

Ordering Information



**Mounting options**

<b>S-FRAME*</b>	
For <b>HR-</b> , <b>HRP-</b> , <b>HR-C</b> Binocular Loupes incl. retaining cord and cleaning fluid	<b>C-000.32.302</b>

\* with protective lenses, large (lg).

<b>Professional L Headband</b>	
For <b>HR</b> and <b>HRP</b> optics	<b>C-000.32.549</b>

<b>Lightweight Headband</b>	
For <b>HR-C</b> optics with rigid loupe mount	<b>C-000.32.516</b>



**Accessories for optics**

<b>HR Close-up Lenses in case</b>	
HR 2x/340mm and HR 2.5x/340mm to 250mm. The close-up lenses reduce the working distance of the binocular loupes.	

Close-up Lenses for <b>HR 2x</b> /340mm optics	<b>C-000.32.521</b>
Close-up Lenses for <b>HR 2.5x</b> /340mm optics	<b>C-000.32.523</b>



**Protective Lenses**

To protect the optics of the <b>HR</b> and the <b>HRP</b> loupes	
Protective Lenses for <b>HR</b> loupes (5 pairs) [01]	<b>C-000.32.537</b>
Protective Lenses for <b>HRP</b> loupes [02]	<b>C-000.32.027</b>

**Sterilisable Swivel Levers**

For <b>HR</b> and <b>HRP</b> loupes with i-View [03]	<b>C-000.32.551</b>
For <b>HR-C</b> loupes with rigid loupe mount [04]	<b>C-000.32.524</b>



**Carrying Case**

For Binocular Loupe optics or for all sets with S-FRAME	<b>C-000.32.552</b>
---	---------------------



**Miscellaneous accessories**

<b>Universal Clip</b>	
For <b>HR-C</b> optics with rigid loupe mount to fit any spectacles	<b>C-000.32.518</b>

**Dental Adapter**

For <b>HR-C</b> optics with rigid loupe mount. For a viewing direction from 20° to 35°. It prevents neck and back strain due to poor posture.	<b>C-000.32.528</b>
---	---------------------



## HEINE Binocular Loupes Accessories

## Ordering Information

**Accessories for S-FRAME**

<b>S-FRAME retaining cord</b>	<b>C-000.32.305</b>
-------------------------------	---------------------



<b>S-FRAME replacement part set</b> with side rubbers, nose pad (1 piece) and screw	<b>C-000.32.308</b>
--	---------------------



<b>Clip-in correction frame</b> for prescription lenses	<b>C-000.32.309</b>
--	---------------------



<b>Protective lenses, large (lg), 1 pair (Standard)</b>	<b>C-000.32.306</b>
---	---------------------



<b>Protective lenses, small (sm), 1 pair</b>	<b>C-000.32.307</b>
--	---------------------

<b>Cleaning fluid for lenses, pack of 2</b>	<b>C-000.32.542</b>
---	---------------------

## HEINE® LED LoupeLight

### Compact LED LoupeLight, ideal for ENT and dental use

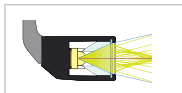
LED HO



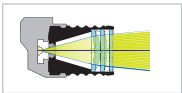
∴ Light

∴ Coaxial shadow-free illumination

∴ 40.000 Lux/25cm distance



Conventional System [01]



HEINE Precision Lens System [02]



- ∴ **Advanced LED Technology.** White, homogenous light, ideal for all surgical and dental applications.
- ∴ **Coaxial Illumination.** Shadow-free illumination of cavities, ideal for ENT and dental applications. Perfect coaxial viewing with all compatible HEINE Loupes.
- ∴ **Compact, lightweight (24g).** Ensures perfect comfort.
- ∴ **Aluminium housing.** Compact and long lasting with advanced heat management.
- ∴ Waterproof design. Easy to clean.
- ∴ **Individual adjustment of the angle of view.** The right angle for every situation.
- ∴ **Optional yellow filter** reduces blue light. Avoids premature hardening of composites.

#### Technical Specification

Illumination	<b>40,000 Lux</b> at a working distance of 250 mm
Colour Temperature	<b>6,250 Kelvin</b>
LED Operating Life	1 W Super-High Output LED rated at <b>50,000 hours operating life</b>
Spot Size	The illuminated field is designed to complement the HR/HRP loupes. <b>81 mm dia. at 420 mm, 95 mm dia. at 520 mm working distance</b>
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	17 hours (with mPack LL)

- ∴ **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogenous illumination of the whole field of view and a clearly defined light spot.

## HEINE® mPack LL

### Power Source



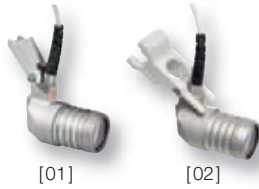
- ∴ **Portable power pack.** Does not tie the user to desk, wall or static power supplies.
- ∴ **Li-ion Technology.** Triple capacity compared with current NiCd systems. No memory effect, autonomy for 17 hours.
- ∴ **Fast Charge.** Charges to full capacity in 2 hours.
- ∴ **Charge Status Display.** Always lets you know how much charge you have left.
- ∴ **Stepless light intensity control.** Optimum brightness setting prevents reflexes.
- ∴ **Flexible Charging Options:** EN 50 desk and wall charger or plug-in transformer.
- ∴ **Intelligent.** Can be used as mains power supply even while in "charge" mode.
- ∴ **100-240 V Compatible Transformer** incl. 4 plugs for world wide compatibility.

For the optional EN50 table/wall unit please see page 163.



HEINE® LED LoupeLight and Accessories

Ordering Information

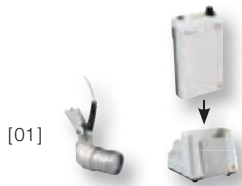


[01]

[02]



[03]



[01]



[02]

LED LoupeLight	
LED LoupeLight for HR/HRP Loupes with i-View loupe mount [02]	C-008.32.236
LED LoupeLight for HR-C Loupes with rigid loupe mount [01]	C-008.32.238

Detachable Yellow Filter [03]	C-000.32.241
-------------------------------	--------------

LED LoupeLight with Power Source		
	For i-View loupe mount (HR / HRP)	For rigid loupe mount (HR-C)
LED LoupeLight with mPack LL and EN50 [01]	C-008.32.381	C-008.32.382
LED LoupeLight with mPack LL and plug-in transformer [02]	C-008.32.384	C-008.32.385



LED LoupeLight Sets with HR Binocular Loupes			
Magnification and working distance in mm	HR 2.5x/340	HR 2.5x/420	HR 2.5x/520
HR 2.5x optics with i-View on S-FRAME	C-008.32.355	C-008.32.356	C-008.32.357
LED LoupeLight			
Detachable Yellow Filter			
mPack LL			
Charger EN 50			
Protective lenses			
2 sterilisable levers			
Retaining cord			
Cleaning fluid			
Cleaning cloth			
Carrying case			



LED LoupeLight Sets with HRP Binocular Loupes			
Magnification and working distance in mm	HRP 3.5x/420	HRP 4x/340	HRP 6x/340
HRP optics with i-View on S-FRAME	C-008.32.430	C-008.32.431	C-008.32.432
LED LoupeLight			
Detachable Yellow Filter			
mPack LL			
Charger EN 50			
Protective lenses			
2 sterilisable levers			
Retaining cord			
Cleaning fluid			
Cleaning cloth			
Carrying case			

# Headlights

## Bright – Homogeneous – Durable

The HEINE headlights meet the highest quality standards. They provide a bright and homogeneous illuminated field.






HEINE 3SLED HeadLight and LED MicroLight with state-of-the-art LED technology. HEINE MD 1000 F.O. optionally with Xenon or Halogen light source.

HEINE 3SLED Headlight and the HEINE MD 1000 F.O. can be combined with HEINE Binocular Loupes or the HEINE A-Cam Video Camera.





## HEINE Headlights

	LED MicroLight	3S LED HeadLight	MD 1000 Headlight
			
Technical Data			
Type of Light	LED	LED	F.O.
Light Intensity (at 250mm working distance)	<b>40,000 Lux</b>	<b>50,000 Lux</b>	<b>100,000 Lux</b> with XENON Projector <b>35,000 Lux</b> with HK 7000 Projector
Colour Temperature (Kelvin)	<b>6,250 K</b>	<b>6,250 K</b>	<b>6,000 K</b> with XENON Projector <b>3,300 K</b> with HK 7000 Projector
Spot Size (at 420mm working distance)	<b>81 mm</b>	<b>30 – 80 mm</b>	<b>40 – 150 mm</b>
Power Sources/ operating time	mPack LL <b>17 hours</b>	mPack UNPLUGGED <b>5.5 hours</b>  mPack <b>12.5 hours</b>	F.O. Projector
Weight	<b>50 g</b> with S-FRAME <b>165 g</b> with Lightweight Headband	<b>336 g</b> <b>532 g</b> with mPack UNPLUGGED	<b>435 g</b>
Angle of Declination	Fully-adjustable	Fully-adjustable	Fully-adjustable
Light Intensity Control	<b>0 – 100 %</b>	<b>0 – 100 %</b>	<b>0 – 100 %</b>
Features			
Adjustable Spot Size	--	<input type="checkbox"/>	<input type="checkbox"/>
Waterproof	<input type="checkbox"/>	--	--
Optional Yellow Filter	<input type="checkbox"/>	<input type="checkbox"/>	--
Expandable with HR and HRP Loupes	--	<input type="checkbox"/>	<input type="checkbox"/>
Optional Video Version	--	<input type="checkbox"/>	<input type="checkbox"/>
Head-worn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spectacle-worn	<input type="checkbox"/>	--	--
Page	143/144	145 – 149	150 – 152

## HEINE® LED MicroLight

### Ultra-light, Universal Headlight

LED HQ



∴ Lightweight

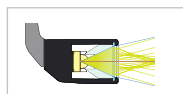
∴ Individual height adjustment

∴ 40,000 Lux/250mm working distance

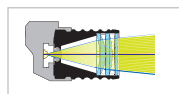
- ∴ **Advanced LED Technology.** White, homogenous light, ideal for all surgical and dental applications.
- ∴ **Compact and lightweight.** Ensures perfect comfort.
- ∴ **Aluminium Housing:** Compact and long lasting with advanced heat management.
- ∴ **Waterproof design.** Easy to clean.
- ∴ **Individual adjustment of height and angle of view.** 100 % coaxiality for shadow-free light.
- ∴ **Homogenous illumination of the whole field of view.** Approximately 81 mm illumination field at 420 mm, approx. 95 mm at 520 mm working distance.

#### Technical Specification

Illumination	<b>40,000 Lux</b> at a working distance of 250 mm
Colour Temperature	<b>6,250 Kelvin</b>
LED Operating Life	1W Super-High Output LED rated at <b>50,000 hours operating life</b>
Weight	50g together with S-FRAME, 165g together with Lightweight Headband
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	17 hours (with mPack LL)



Conventional System [01]



HEINE Precision Lens System [02]

- ∴ **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogenous illumination of the whole field of view, and a clearly defined light spot.

#### Mounting Options:



#### ∴ HEINE S-FRAME®

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad.** Can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kinetium reduces weight (50g together with LED MicroLight).
- ∴ **Tough polycarbonate protective lenses.**



#### ∴ HEINE® Lightweight Headband

- ∴ **Lightweight** (165g together with LED MicroLight.) Ideal for spectacle wearers.
- ∴ **Fully-adjustable for width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**



HEINE® mPack LL

Power Source



- ∴ **Portable power pack.** Does not tie the user to desk, wall or static power supplies.
- ∴ **Li-ion Technology.** Triple capacity compared with current NiCd systems. No memory effect, autonomy for 17 hours.
- ∴ **Fast Charge.** Charges to full capacity in 2 hours.
- ∴ **Charge Status Display.** Always lets you know how much operating charge you have left.
- ∴ **Stepless light intensity control.** Optimum brightness setting prevents reflexes.
- ∴ **Flexible Charging Options:** EN50 Desk and wall charger, or plug-in transformer.
- ∴ **Intelligent.** Can be used as mains power supply even while in “charge” mode.
- ∴ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.



For the optional EN50 table/wall unit please see page 163.

HEINE® LED MicroLight

Ordering Information



[01]



[02]



[03]

LED MicroLight	
on S-FRAME with mPack LL, plug-in transformer and retaining cord in case [01]	<b>J-008.31.290</b>
on Lightweight Headband with mPack LL and plug-in transformer in case [02]	<b>J-008.31.295</b>
Detachable Yellow Filter [03]	<b>C-000.32.241</b>



## HEINE® 3SLED HeadLight

### Ultra-bright 3SLED HeadLight for powerful, coaxial illumination

LED HQ



3S LED HeadLight

- ⚡ Attachment options for loupes
- ⚡ 50,000 Lux at 250mm
- ⚡ LED operating life: 50,000 hours
- ⚡ Adjustable spot size

- ⚡ **50,000 Lux of bright, white light.**
- ⚡ **Stepless light intensity control.** Optimal brightness setting prevents reflexes.
- ⚡ **Adjustable light spot size.** Small diameter is ideal for ENT and Dental Applications.
- ⚡ **Flexibility.** Mains or portable power supply. Integrated attachment option for HR/HRP Binocular Loupes and Prism optics for Video adaption.
- ⚡ **Viewing Angle adjustable over a wide range.**
- ⚡ **Multi-coated glass optics** for maximum brightness.
- ⚡ **Optional yellow filter** reduces blue light. Avoids premature hardening of composites.

#### Technical Specification

Illumination	<b>50,000 Lux</b> at a working distance of 250mm.
Colour Temperature	<b>6,250 Kelvin</b>
LED Operating Life	1W Super-High Output LED rated at <b>50,000 hours operating life</b>
Spot Adjustment	<b>30mm to 80mm</b> at <b>420mm</b> working distance
Angle of Declination	Stepless and individually adjustable for every examination
Rheostat	Headband-mounted
Operating Time	<b>12.5 hours</b> with mPack and <b>5.2 hours</b> with mPack UNPLUGGED

#### Power Options:

##### ⚡ HEINE® mPack

- ⚡ **Portable power pack.** Does not tie the user to desk, wall or static power supplies.
- ⚡ **Li-ion Technology. Triple capacity** compared with current NiCd systems.  
No memory effect, autonomy for 10 hours.
- ⚡ **Fast Charge.** Charges to full capacity in 2 hours.
- ⚡ **Charge Status Display.** Always lets you know how much operating charge you have left.
- ⚡ **Flexible Charging Options:** EN50 Desk and wall charger, or plug-in transformer.
- ⚡ **Intelligent.** Can be used as mains power supply even while in “charge” mode.
- ⚡ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.

For the optional EN50 table/wall unit please see page 163.

##### HEINE® mPack UNPLUGGED. Headband-mounted rechargeable battery.

- ⚡ **Wireless. 100 % mobility for absolute freedom of movement.**
- ⚡ **Rechargeable battery integrated on the headband.** No inconvenient cable connections.
- ⚡ **Lightweight with balanced weight distribution.** High level of comfort.
- ⚡ **Charge Status Display** indicates remaining operating time.
- ⚡ **Intelligent.** Can be used as mains power supply even in “charge” mode.
- ⚡ **Fast Charge.** Charges to full capacity in only 2 hours. Operating time 4 hours.
- ⚡ **Top Safety Standards.** Integrated charge and performance checks during operation.  
Lithium polymer technology (selected non-flammable materials). UL compliant.



## HEINE® 3SLED HeadLight

## Ordering Information

LED HQ

**3SLED HeadLight with Headband Professional L and Power Sources**

3SLED HeadLight without power source [01]	<b>J-008.31.310</b>
3SLED HeadLight with plug-in transformer and headband-mounted brightness control [01] + [02]	<b>J-008.31.311</b>
3SLED HeadLight with mPack and plug-in transformer [01] + [03]	<b>J-008.31.313</b>
3SLED HeadLight with mPack UNPLUGGED and plug-in transformer UNPLUGGED [01] + [04]	<b>J-008.31.315</b>
3SLED HeadLight with wall mounted EN50 UNPLUGGED charger and 2x mPack UNPLUGGED [01] + [05]	<b>J-008.31.316</b>

**3SLED HeadLight accessories**

Detachable Yellow Filter [06]	<b>J-000.31.321</b>
Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2 m [07]	<b>X-000.99.668</b>

HEINE® 3SLED HeadLight with HR/HRP Optics



The 3SLED HeadLight is optionally supplied with HR/HRP Binocular Loupes incl. i-View loupe mount and with or without S-GUARD, if preferred. The binocular loupe is fully adjustable for every examiner and for every examination axis.

- ∴ **HEINE S-GUARD:** Rapid and simple symmetric adjustment of binocular loupes with splash protection by protective lenses.
- ∴ **HEINE i-View for 3SLED HeadLight:** Provides any angle of view and flips up the optics independently of the illumination beam of the LED LoupeLight.



**3SLED HeadLight Kits with S-GUARD and Power Source**

The following Kits contain: 3SLED HeadLight, HR/HRP optics with i-View and S-GUARD, mPack and plug-in transformer [01], Cleaning Fluid [02]

Kit 1:	with <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-008.31.345</b>
Kit 2:	with HR Binocular Loupe	2.5x/420mm	<b>J-008.31.346</b>
Kit 11:	with HR Binocular Loupe	2.5x/520mm	<b>J-008.31.354</b>
Kit 3:	with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-008.31.347</b>
Kit 4:	with HRP Binocular Loupe	4x/340mm	<b>J-008.31.348</b>
Kit 5:	with HRP Binocular Loupe	6x/340mm	<b>J-008.31.349</b>



**3SLED HeadLight Kits with Power Source without S-GUARD**

The following Kits contain: 3SLED HeadLight, HR/HRP optics with i-View, mPack and plug-in transformer [01]

Kit 1c:	with <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-008.31.355</b>
Kit 2c:	with HR Binocular Loupe	2.5x/420mm	<b>J-008.31.356</b>
Kit 11c:	with HR Binocular Loupe	2.5x/520mm	<b>J-008.31.353</b>
Kit 3c:	with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-008.31.357</b>
Kit 4c:	with HRP Binocular Loupe	4x/340mm	<b>J-008.31.358</b>
Kit 5c:	with HRP Binocular Loupe	6x/340mm	<b>J-008.31.359</b>



**3SLED HeadLight UNPLUGGED Kits with S-GUARD and Power Source**

The following Kits contain: 3SLED HeadLight, HR/HRP optics with i-View and S-GUARD, Wall transformer EN50 UNPLUGGED [03], 2x mPack UNPLUGGED, Cleaning Fluid [02]

Kit 6:	with <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-008.31.390</b>
Kit 7:	with HR Binocular Loupe	2.5x/420mm	<b>J-008.31.391</b>
Kit 12:	with HR Binocular Loupe	2.5x/520mm	<b>J-008.31.376</b>
Kit 8:	with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-008.31.392</b>
Kit 9:	with HRP Binocular Loupe	4x/340mm	<b>J-008.31.393</b>
Kit 10:	with HRP Binocular Loupe	6x/340mm	<b>J-008.31.394</b>

**3SLED HeadLight UNPLUGGED Kits with Power Source without S-GUARD**

The following Kits contain: 3SLED HeadLight, HR/HRP optics with i-View, Wall transformer EN50 UNPLUGGED [03], 2x mPack UNPLUGGED

Kit 6c:	with <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-008.31.370</b>
Kit 7c:	with HR Binocular Loupe	2.5x/420mm	<b>J-008.31.371</b>
Kit 12c:	with HR Binocular Loupe	2.5x/520mm	<b>J-008.31.375</b>
Kit 8c:	with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-008.31.372</b>
Kit 9c:	with HRP Binocular Loupe	4x/340mm	<b>J-008.31.373</b>
Kit 10c:	with HRP Binocular Loupe	6x/340mm	<b>J-008.31.374</b>



## Retrofitting Sets for HEINE® 3SLED HeadLight with HR/HRP



### Retrofitting Set incl. HR/HRP Binocular Loupes for 3SLED HeadLight

The sets enable you to equip your existing 3SLED HeadLight with a binocular loupe. The set contains HR/HRP optics with i-View, S-GUARD splash protection and cleaning fluid [01]

with <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-000.31.370</b>
with HR Binocular Loupe	2.5x/420mm	<b>J-000.31.371</b>
with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-000.31.372</b>
with HRP Binocular Loupe	4x/340mm	<b>J-000.31.373</b>
with HRP Binocular Loupe	6x/340mm	<b>J-000.31.374</b>

5 Steri-levers for i-View Loupe Mount for 3SLED [02]	<b>C-000.32.399</b>
--	---------------------

## Power Sources and Accessories



mPack and plug-in Transformer [01]	<b>X-007.99.672</b>
Plug-in Transformer for 3SLED [02]	<b>X-095.16.320</b>

mPack with EN50 table/wall unit (incl. 90° Angled Adaptor, Instrument support for Professional L Headband) [03]	<b>X-095.17.302</b>
---	---------------------

HEINE® 3SLED HeadLight with A-Cam Video Camera

Technical specifications A-Cam



- ⋄ **High-resolution A-Cam camera.** CCD 470,000 Pixel, 460 lines.
- ⋄ **Image sensor.** 1/2" CCD, color.
- ⋄ **Fully-integrated camera system.** No external brackets or prisms.
- ⋄ **100% dustproof system.** No maintenance required.
- ⋄ **Waterproof camera head.** Can be placed in disinfectant solution (but cannot be autoclaved).
- ⋄ **Optics specially-developed.** Maximum brightness.
- ⋄ **Focus adjustable for any working distance.** From 250 to 800mm.
- ⋄ **Automatic white balance.**
- ⋄ **Automatic light metering at the center of the image.** Reduction in reflections.
- ⋄ **Automatic light boost.** Boost function for examinations with low lighting.
- ⋄ **Brilliant image** with an S-VHS monitor.
- ⋄ **Processor will connect to various output devices,** such as: VCR's and printers.
- ⋄ **Compact.** Lightweight design (65g, camera head without cable, complete 250g).
- ⋄ **3SLED HeadLight can be supplied without a camera for users' own "C"-mount CCD cameras.**
- ⋄ **Connecting cable.** 3m.
- ⋄ **FBAS (composite) and Y/C (SVHS) outputs.** Extensive compatibility and high image quality.
- ⋄ **Optional PAL or NTSC format.** Please specify when ordering.



[01]

[02]

3SLED HeadLight with A-Cam with Prism Optics, C-Mount and A-Cam Processor (available systems: PAL or NTSC, please specify when ordering), EN50 transformer table/wall unit with Rheostat Control Module, Extension Cord Cinch-Cinch 2 m (available systems: PAL or NTSC, please specify when ordering). **J-008.31.336**

**3SLED HeadLight accessories**

Focusing Prism Optics with C-Mount for 3SLED [01]	<b>J-000.31.320</b>
A-CAM camera with processor [02] (available systems: PAL or NTSC, please specify when ordering).	<b>J-000.31.201</b>



## HEINE® MD 1000 Fiber Optic (F.O.) Headlight



- ∴ **Compact, high-tech optics** for homogeneous, coaxial, exceptionally-bright illumination.
- ∴ **Ultra-light, highly-flexible fiber optic cable** with gown clips, length 3 m.
- ∴ **Height and angle of illumination adjustable by a single control.**
- ∴ **Lightweight, flexible Headband Professional L:** Adjustable for height and width with detachable soft leather forehead cushion.
- ∴ **Adjustable light spot** with sterilizable lever.
- ∴ **Can be combined with HEINE HR and HRP Binocular Loupes** for magnification from 2x – 6x.
- ∴ **Can be fitted with a CCD camera.**
- ∴ **Light sources: HK 7000 F.O. and XENON 1000 F.O. Projector.**  
Adaptors for other manufacturers' projectors available.

Light Sources: HK 7000 and XENON 1000 F.O. Projector. Please order separately, see pages 152 and 170.

### Technical Specification

Illumination	<b>100,000 Lux</b> with XENON 1000 F.O. Projector, <b>35,000 Lux</b> with HK 7000 F.O. Projector at a working distance of 250 mm
Colour Temperature	<b>3,300 Kelvin</b> with HK 7000 F.O. and <b>6000 Kelvin</b> with XENON 1000 F.O. Projector
Light Sources	XENON 1000 F.O. or HK 7000 F.O. Projector
Spot Adjustment	Adjustable spot size from <b>20 mm to 70 mm</b> at a distance of 200 mm and <b>45 mm to 180 mm</b> at a distance of 500 mm
Angle of Declination	Individually-adjustable
Brightness control	Stepless brightness control on Light Source (HK 7000 F.O. or XENON 1000 F.O.)

### MD1000 F.O. Headlight with Headband Professional L

with accessories

J-003.31.231

HEINE® MD 1000 F.O. Headlight with HR/HRP Optics

The MD 1000 is optionally supplied with HR/HRP Binocular Loupes including i-View loupe mount and S-GUARD. The binocular loupe is fully-adjustable for every examiner and for every examination axis.

- ∴ **HEINE S-GUARD:** Rapid and simple symmetric adjustment of binocular loupes with splash protection by protective lenses.
- ∴ **HEINE i-View:** Provides any angle of view and flips up the optics independently of the illumination beam.



**MD 1000 F.O. Headlight with HR / HRP Binocular Loupes**

The following order numbers include: MD 1000 F.O. Headlight, HR/HRP optics with i-View and S-GUARD, Cleaning Fluid

Kit 1: with <b>HR</b> Binocular Loupe 2.5x / 340 mm	<b>J-003.31.245</b>
Kit 2: with HR Binocular Loupe 2.5x / 420 mm	<b>J-003.31.246</b>
Kit 3: with <b>HRP</b> Binocular Loupe 3.5x / 420 mm	<b>J-003.31.247</b>
Kit 4: with HRP Binocular Loupe 4x / 340 mm	<b>J-003.31.248</b>
Kit 5: with HRP Binocular Loupe 6x / 340 mm	<b>J-003.31.249</b>

5 Steri-levers for i-View loupe mount	<b>C-000.32.399</b>
---------------------------------------	---------------------

Please order the projector separately. See pages 152 and 170.



## HEINE® MD 1000 F.O. Headlight with A-Cam Video Camera

### Technical specifications A-Cam



- ∴ **For video documentation and teaching.**
- ∴ **High-resolution A-Cam camera.** CCD 470,000 Pixel, 460 lines.
- ∴ **Image sensor.** 1/2" CCD, colour.
- ∴ **Fully integrated camera system.** No external brackets or prisms.
- ∴ **100 % dustproof system.** No maintenance required.
- ∴ **Waterproof camera head.** Can be placed in disinfectant solution (but cannot be autoclaved).
- ∴ **Optics specially-developed.** Maximum brightness.
- ∴ **Focus adjustable for any working distance.** From 250 to 800mm.
- ∴ **Automatic white balance.**
- ∴ **Automatic light metering at the center of the image.** Reduction in reflections.
- ∴ **Automatic light boost.** Boost function for examinations with low lighting.
- ∴ **Brilliant image with a S-VHS monitor.**
- ∴ **Processor will connect to various output devices,** such as: VCR's and printers.
- ∴ **Compact.** Lightweight design (65g, camera head without cable, complete 250g).
- ∴ **MD 1000 can be supplied without a camera for users' own "C"-mount CCD cameras.**
- ∴ **Connecting cable.** 3m.
- ∴ **FBAS (composite) and Y/C (SVHS) outputs.** Extensive compatibility and high image quality.
- ∴ **Optional PAL or NTSC format.** Please specify when ordering.

MD 1000 Headlight, A-CAM with Prism Optics, C-Mount and A-CAM Processor (Please specify PAL or NTSC when ordering!)

**J-003.31.236**



[01]

[02]

### MD 1000 F.O. accessories

Focusing Video Prism Optics for MD 1000 F.O. [01]

**J-000.31.208**

A-Cam camera with processor [02]

(Please specify PAL or NTSC system when ordering!)

**J-000.31.201**

## Light Sources for MD 1000 F.O. Headlight and Accessories



[01]



[02]

HK 7000 F.O. Projector 150W, complete [01]

**Y-096.15.121**

XENON 1000 F.O. Projector 100W, complete [02]

**Y-096.15.117**

Spare Bulb for HK 7000 F.O. Projector

**Y-096.15.102**

Spare Bulb for XENON 1000 F.O. Projector

**Y-096.15.108**



# Light, Power Sources and Bulbs

## THE HEINE BETA® RANGE OF HANDLES – THE MODULAR POWER SOURCE SYSTEM

The HEINE BETA range of handles provides ideal solutions for power sources for hand-held diagnostic instruments.

A complete range of high-quality and durable power sources is available for all HEINE hand-held diagnostic instruments. They offer ideal solutions for the personal preference of any user. These solutions range from the classic BETA basic handle with 2.5V battery power or 3.5V rechargeable batteries up to the innovative table charger NT300 and the BETA L Rechargeable Handle, with charge status display for more performance and reliability or the practical wall transformer HEINE EN 100.

### BETA handles:

- High-quality metal construction for strength and durability.
- Automatic connector: Quick, safe connection.
- Rheostat: Stepless brightness control with power level indicator.
- Knurled handle surface: Non-slip and hygienic.

### Hygienic and ergonomic design:

The new smooth surface of the rheostat and Automatic Connector makes cleaning easier and the new design fits comfortably in the palm of the hand.



All 3.5V rechargeable handles are also available from HEINE with Lithium-Ion technology (except BETA SLIM and small F.O. Laryngoscope handles).

- Double the capacity – up to 120min working time without recharging.
- Lightweight and convenient.
- No more memory effect. Full capacity whenever needed.

### Guarantee:

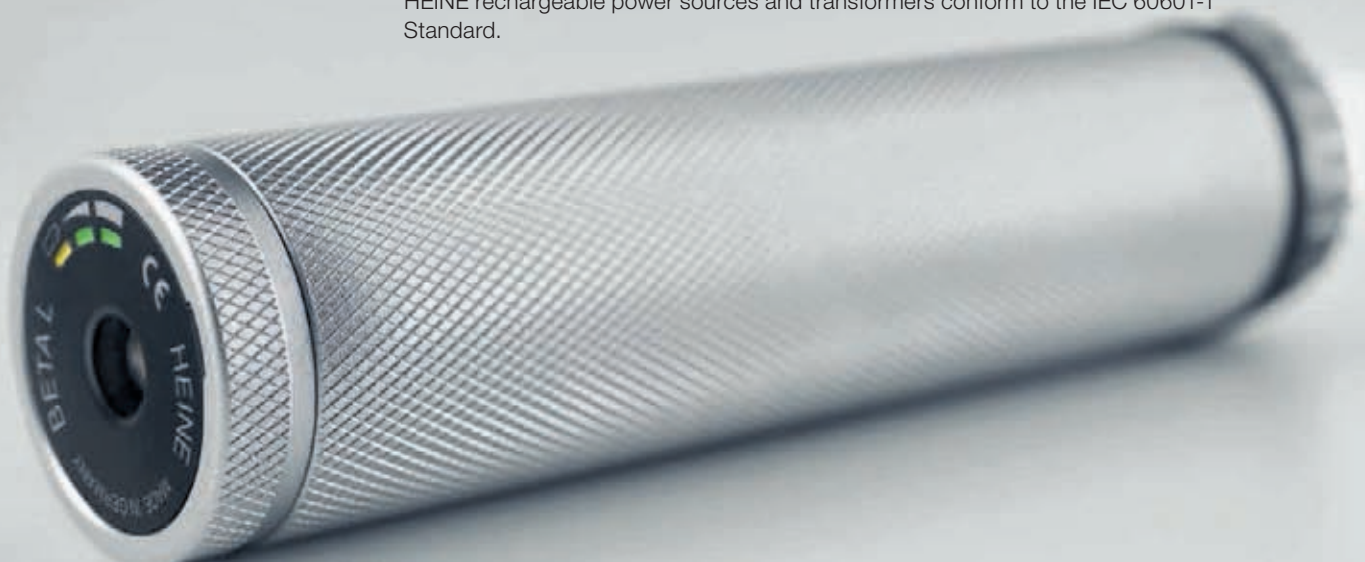
HEINE products all benefit from an exceptional attention to detail in all aspects of the manufacturing process. As a result of this, HEINE gives a 5 year guarantee on all handles and instruments.

### Voltage:

230V is the standard voltage for mains instruments. If a different voltage is required, e.g. 120V, please specify when ordering.

### Note:

HEINE rechargeable power sources and transformers conform to the IEC 60601-1 Standard.





## The HEINE BETA® Range of Handles

### One module. Multiple charging options.

The handle module X-000.99.010, 145 mm x 30 mm dia., is the basis of every BETA handle. By adding the appropriate bottom inserts it is possible to assemble any of the handles shown on this page. A BETA battery handle can also be converted to a rechargeable handle in this way. All BETA handles feature short-circuit protection and a continuous ceramic brightness control.



<b>BETA handle module</b>	<b>X-000.99.010</b>
---------------------------	---------------------

<b>BETA Battery Handle</b>	<b>2.5V</b>
145 mm x 30 mm dia. (batteries not included; appropriate batteries: IEC LR14)	<b>X-001.99.118</b>
BETA extension piece. Converts any BETA handle into a 3.5V battery handle – will not fit case. (Without batteries.)	<b>X-000.99.020</b>
BETA Bottom insert	<b>X-000.99.119</b>

- ⚡ Fast charge capability / 2 h
- 🔋 Charge status display
- 🔌 Ready-to-use feature



### 🔋 BETA L Li-ion rechargeable handle for NT300 table charger

With LED charge status display in the BETA L 3.5V bottom insert.

- ⚡ **Rechargeable handle with Li-ion battery.** Fast charge in 2 hours with the NT 300 charger.
- 🔋 **Rechargeable handle with charge status display in the bottom insert.** Display lights for 10 seconds when the handle is switched on or removed from the charger.
- 🔋 **No memory effect.** Full power at any time without loss of capacity.
- 🔄 **Updates:** Existing 3.5V BETA handles can be converted to BETA L by substituting the Li-ion L battery and BETA L bottom insert.
- 🔄 **Compatible with previous chargers (NT 200).**
- 🔌 **Ready-to-use Function:** If the handle is switched on when replaced in the charger, it automatically switches off. When removed, it switches on again at the previously-selected brightness.



Charge status:  
100 – 67 %      66 – 34 %      33 – 1 %

<b>🔋 BETA L Li-ion rechargeable handle for NT 300 table charger</b>	<b>3.5V</b>
🔋 145 mm x 30mm dia., with Li-ion L rechargeable battery, complete	<b>X-007.99.395</b>
🔋 BETA L Bottom insert with charge status display	<b>X-002.99.396</b>




<b>BETA NT rechargeable handle for NT 300 table charger</b>	<b>3.5V NiMH</b>
145 mm x 30 mm dia. with NiMH rechargeable battery	<b>X-002.99.411</b>
BETA NT bottom insert	<b>X-002.99.412</b>


🔋: Rechargeable handle with charge status display in the bottom insert.

The HEINE BETA® Range of Handles



<b>BETA TR Rechargeable Handle with transformer</b>	3.5V NiMH	3.5V 
145 mm x 30 mm dia., with plug-in transformer. The BETA TR handle is charged by an external transformer. An LED indicates whether the handle is being charged. The special handle rest prevents it from rolling away.		
	<b>X-002.99.384</b>	<b>X-007.99.384</b>
BETA TR without transformer	<b>X-002.99.386</b>	<b>X-007.99.386</b>
Transformer for BETA TR rechargeable handle	<b>X-000.99.309</b>	<b>X-000.99.309</b>
BETA TR bottom insert	<b>X-002.99.385</b>	<b>X-002.99.385</b>



<b>BETA R Rechargeable Handle for mains socket</b>	3.5V NiMH	3.5V 
170 mm x 30 mm dia. The BETA R handle can be charged directly in the mains socket or outlet after unscrewing the cap.		
	<b>X-002.99.376</b>	<b>X-007.99.376</b>
BETA R bottom insert	<b>X-002.99.377</b>	<b>X-002.99.377</b>



HEINE rechargeable batteries for BETA® Handles



Rechargeable batteries	3.5V NiMH	3.5V LI ION	3.5V LI ION L
for BETA rechargeable handles	<b>X-002.99.382</b>	<b>X-007.99.381</b>	<b>X-007.99.383</b>
	[01]	[02]	[03]

**Please note:** The Li-ion L battery is not compatible with BETA R, TR and NT 3.5V handles and bottom inserts. For information on HEINE Laryngoscope Handles, see pages 085 – 089.

- All full-size BETA handles can be updated to BETA L 3.5V (except BETA SLIM) handles by substituting the Li-ion L 3.5V battery and the BETA L bottom insert.
- Max. 4 hours recharge time in NT300 table charger with NiMH. 2 hours with Li-ion.
- Retro-compatible. All rechargeable batteries can also be charged in existing NT200 and Nicatron chargers.



<b>BETA Belt Clip</b>	<b>X-000.99.008</b>
-----------------------	---------------------

HEINE Large Battery Handle



Dimensions: 165 mm x 37 mm dia. Weight: 212g without batteries, 505g with batteries.  
A large handle for 2 alkali-manganese batteries IEC LR20/D cells.  
Designed for countries where larger batteries are still preferred.  
(Only suitable for certain instrument cases.) Batteries not included.

Large battery handle	2.5V
for 2 alkali-manganese batteries, size D	<b>X-001.99.120</b>

HEINE BETA® SLIM Battery/Rechargeable Handle



Dimensions: 135 mm x 19mm dia. Weight: 180g.  
A compact handle with automatic connector for those who prefer a slim handle.  
Rechargeable in NT300 charger fitted with the small adaptor ring.  
Batteries not included.

BETA SLIM battery / rechargeable handle	2.5V	3.5V NiMH
BETA SLIM Battery Handle	<b>X-001.99.105</b>	
BETA SLIM Rechargeable Handle with 3.5V M3Z NiMH battery		<b>X-002.99.471</b>
Rechargeable battery 3.5V M3Z NiMH [01]		<b>X-002.99.106</b>

[01]

## HEINE mini 3000® Battery Handle



Innovative, compact battery handle in a high-quality, modern design. Suitable for all mini3000 instruments.

- ∴ **Oval, compact, stylish shape.** Lies ergonomically in the hand.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **Screw-on end cap.** For easy battery change.
- ∴ **Threaded connector made of metal.** Prevents wear.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.
- ∴ **Complete range of mini3000 instruments.** Versatile range.
- ∴ **Registered Design.**
- ∴ **Rechargeable mini3000 handle.** The mini3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to the mini3000 rechargeable handle. Fully-automatic charging with the mini NT table charger.



<b>mini3000 Battery Handle</b>	<b>2.5V</b>
with two dry batteries IEC LR6 (AA size)	<b>D-001.79.021</b>

All non-rechargeable mini handles are fitted with batteries (IEC LR 6 AA size). mini3000 handles can be supplied in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

## HEINE® NT300 table charger

### The best in performance and quality



Dimensions: Width 142 mm, Height 61 mm, Depth 66 mm, Weight 830 g. The NT300 table charger automatically charges HEINE rechargeable batteries irrespective of their state of charge or their output voltage. The rechargeable battery cannot be overcharged. With the appropriate adaptor set it is possible to recharge all BETA L, BETA NT, BETA SLIM rechargeable handles and laryngoscope rechargeable handles in the same NT300. Exceptions are the rechargeable versions of the Short and the Small F.O. L LED Handles.\*

- ∴ **Innovative, compact design.** Practical and space-saving.
- ∴ **Two independent charging compartments.** Complete functionality for one or two handles at a time.
- ∴ **Fast charge feature.** 2 hours to recharge rechargeable handle with Li-ion L rechargeable battery. 4 hours for other rechargeable handles.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Charge status display.** Light pulses from the charging compartment to confirm the charging mode.

- ∴ Fast charge capability
- ∴ Automatic charging
- ∴ Charge indicator

<b>NT300 table charger</b>	
without handle, with adaptors for BETA and Standard F.O. Handles, Short F.O. and Angled F.O. Laryngoscope Handles [03]	<b>X-002.99.495</b>
Two adaptors for BETA SLIM and Small F.O. Laryngoscope Rechargeable Handles [01] + [02]	<b>X-000.99.086</b>



\*Due to the increased demands on the charging management function of these rechargeable batteries, a latest generation HEINE NT300 recharging station must be used to properly and fully recharge these rechargeable batteries. Latest generation HEINE NT300 recharging stations can be identified by the serial number on the underside of the recharging station. Recharging stations starting with the serial number **SN 101 1000 001** are compatible.



HEINE® mini NT charger set for mini 3000®

Compact charging technology



∴ Fast charge capability

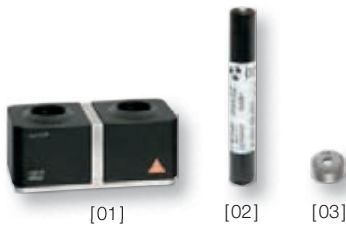
∴ Automatic charging

∴ Charge indicator

**mini NT Charger set 2.5V.** Consists of the mini NT table charger, 2 mini NT rechargeable batteries and 2 bottom inserts for the mini 3000 rechargeable handles. With this set, existing mini 3000 handles can be updated to the 2.5V rechargeable system. Optional adaptor set for mini 2000.  
mini NT table charger: Width 112mm, Height 50mm, Depth 52mm, Weight 270g.

- ∴ **Innovative, compact design.** Practical and space-saving.
- ∴ **Two independent charging compartments.** Complete functionality for one or two handles at a time.
- ∴ **Fast charge feature.** 4 hours to recharge a mini3000 NiMH 2.5V rechargeable battery.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Can not be overcharged.** Charger switches off automatically when the battery is fully-charged.
- ∴ **Charge status display.** Light pulses from the charging compartment to confirm the charging mode.
- ∴ **No memory effect.** Full power at any time without loss of capacity.

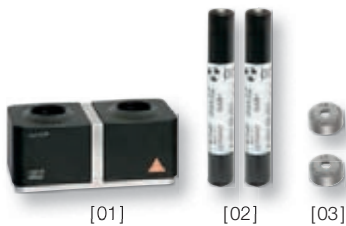
**Please note:** Suitable only for mini3000 2.5V NiMH rechargeable battery.



mini NT table charger and accessories	
mini NT Charger, only [01]	X-001.99.484
Rechargeable battery NiMH 2Z, only [02]	X-001.99.487
Bottom insert for mini 3000 Rechargeable Handle, only [03]	X-001.99.488



mini NT Adaptor Set for 1 mini 2000 Handle	
This set contains:	
1 bottom insert [04] and 1 adaptor for mini2000 [05]. Together with a rechargeable battery it will allow the upgrade of one existing mini2000 handle.	X-001.99.493



mini NT Charger Set for 2 mini 3000 Handles	
With this set, existing mini 3000 Handles can be updated to the 2.5V rechargeable system. It contains:	
mini NT table charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485

### HEINE Lamp Handle



6V / 4.2W

Economically-priced light source ensuring bright illumination for Fiber Optic instruments such as anoscope, proctoscope, sigmoidoscope.  
Length of cord: 2m. Cinch plug for connection to a 6V power source.  
Recommended power source: E7.

<b>Lamp Handle</b>	<b>6V</b>
with switch and XHL Xenon Halogen bulb	<b>X-004.99.607</b>
Spare bulb	<b>X-004.88.060</b>
<b>Extension cord.</b> Suitable for all HEINE instruments and power sources with cinch connector. Length 2m.	<b>C-000.33.510</b>

### HEINE Cord switch



On/Off switch. Suitable for HEINE instruments and power sources with cinch connector (e.g. E7).

Cord switch	<b>X-095.16.202</b>
-------------	---------------------

### Plug-in transformer HEINE® E7



6V/6W max. Power source, suitable for lamp handle or BETA Cord Handle.

<b>E7</b>	<b>6V</b>
Plug-in transformer E7	<b>X-095.16.104</b>
same, with lamp handle	<b>X-095.16.105</b>

## Plug-in transformer for the HEINE® 3SLED/OMEGA® 500



9V/16W. Powerful electric supply unit for the 3SLED HeadLight/OMEGA 500.

Plug-in transformer for 3SLED HeadLight/OMEGA 500

X-095.16.320

## HEINE® HC 50 L Headband Rheostat

### Fingertip Illumination Control for OMEGA 500/UNPLUGGED



[01]

- ∴ Left or right sided Mounting Options on the OMEGA Headband.
- ∴ Can be combined with EN50 and mPack (with connection cord X-000.99.667).
- ∴ 100–240V Compatible Transformer incl. 4 plugs for world wide compatibility.
- ∴ For use with OMEGA 500 with XHL- and LED-Illumination.



[02]



[03]

HC50 L Headband Rheostat	6V
HC50 L Headband Rheostat (without plug-in transformer and connecting cord) [01]	X-095.16.325
Plug-in transformer for HC50 L Headband Rheostat [02]	X-095.16.320
Connecting cord UNPLUGGED-Cinch [03]	X-000.99.667



## Wall Transformer HEINE® EN50 UNPLUGGED

### Intelligent charger for mPack UNPLUGGED



- ⌘ **Charger and wall-mount in one.** The wall transformer serves as an instrument holder and a charger at the same time.
- ⌘ **Intelligent charging system.** The instrument automatically switches off and goes into charging mode when placed in wall transformer. It is impossible to overcharge the mPack UNPLUGGED; the process ends automatically when charging is completed.
- ⌘ **Simultaneous charging.** The charging system charges the battery on the headband as well as an additional single spare battery.
- ⌘ **Compatible transformer (100 – 240V).** Multi-voltage power supply unit incl. 4 different mains adaptors.
- ⌘ **Registered Design.**

Wall transformer EN50 UNPLUGGED  
(without mPack UNPLUGGED) 6V

X-095.17.310

⌘ Charger and wall-mount in one

⌘ Intelligent charging system

## HEINE® mPack UNPLUGGED

### Headband-mounted rechargeable battery

Rechargeable battery for OMEGA500 Indirect Binocular Ophthalmoscope UNPLUGGED and 3SLED HeadLight UNPLUGGED.



- ⌘ **Lightweight with balanced weight distribution.** High level of comfort.
- ⌘ **Charge status display.** Display of remaining operating time.
- ⌘ Can be recharged by **wall- or plug-in transformer.**
- ⌘ **Direct operation possible while charging** through the use of the mobile plug-in transformer.
- ⌘ **Charging time:** 2 hours.
- ⌘ **Operating time:** 4 hours for 3SLED HeadLight, 2 hours for OMEGA500 UNPLUGGED, 10 hours for OMEGA500 UNPLUGGED with LED.
- ⌘ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit). Battery-friendly charging.
- ⌘ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology (selected non-flammable materials). UL-compliant.
- ⌘ **Registered Design.**

⌘ Headband battery (rechargeable)

⌘ LED charge status display

mPack UNPLUGGED

6V

mPack UNPLUGGED

X-007.99.665

Transformer UNPLUGGED for mPack UNPLUGGED

X-095.16.316

Lithium-Polymer rechargeable battery  
for mPack UNPLUGGED

X-007.99.680

Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2 m

X-000.99.668





HEINE® mPack/HEINE® mPack LL

Portable Power Packs



- ∴ Li-ion Battery
- ∴ Battery Capacity Indicator
- ∴ Fast Charge



[01]



[02]



[04]



[03]

**The mPack is only compatible with** OMEGA 500, OMEGA 200, SIGMA 150, SIGMA 150 M2, SIGMA 150 K, SIGMA 150 KM2, Hand-held Indirect Ophthalmoscope MONOCULAR, Hand-held Indirect Ophthalmoscope BINOCULAR, BETA Cord Handle, 3S LED HeadLight.

**The mPack LL is only compatible with** LED LoupeLight and LED MicroLight.

- ∴ **Brightness control from 0,5 – 100 %**
- ∴ **Capacity with LED Loupelight:** 17 hours from fully charged under full load.
- ∴ **Freedom from cables** that tie the user to desk, wall or static power supplies.
- ∴ **Triple the Capacity with Li-ion Technology.** Compared with current NiCd systems. When fully charged at least 3x the capacity of conventional NiCd systems. More than double of other Li-ion systems. No memory effect.
- ∴ **Fast Charge.** Charges to full capacity in just 2 hours.
- ∴ **Charge status display.** Always lets you know how much operating charge you have left.
- ∴ **Flexible Charging Options.** Charge in the EN50 Charger base station, or with mobile plug-in transformer.
- ∴ **Intelligent.** Automatically switches to “charge” mode when inserted in EN50. Can also be used as mains power supply even while in “charge” mode.
- ∴ **Automatic remote power adjustment** for compatibility with all HEINE 6V and selected LED instruments.
- ∴ **Flexible Illumination Control.** Can be used in conjunction with HC 50 L Headband Mounted Rheostat.
- ∴ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.

mPack / mPack LL	6V
EN50-m Charger Wall/Table Unit with <b>mPack</b> , (incl. 90° Angled Adaptor, Instrument support for Professional L Headband [01])	<b>X-095.17.302</b>
same, with <b>mPackLL</b> and instrument support for S-FRAME [02] and Professional L Headband [01]	<b>X-095.17.303</b>
<b>mPack</b> with Li-ion rechargeable battery and plug-in transformer	<b>X-007.99.672</b>
<b>mPackLL</b> with Li-ion rechargeable battery and transformer	<b>X-007.99.660</b>
<b>mPack</b> with Li-ion rechargeable battery, without transformer	<b>X-007.99.671</b>
<b>mPackLL</b> with Li-ion rechargeable battery, without transformer	<b>X-007.99.661</b>
Li-ion rechargeable battery for mPack/mPackLL	<b>X-007.99.676</b>
Plug-in transformer for mPack/mPackLL [04]	<b>X-095.16.315</b>
Plug-in 90° Angled Adaptor (for EN50 Charger/mPack and mPackLL) [03]	<b>C-000.33.509</b>



## Wall-/Table-Transformer HEINE® EN 50

### Modular Power Supply System/ charger



The EN50 Modular Power Supply System offers unsurpassed flexibility and innovative new features. It powers the OMEGA500 and 3SLED and automatically adjusts output to power all existing HEINE 6V and selected LED products (Examination Lights). The EN50 Charger, the mPack/mPack LL and HC50 L Headband Mounted Rheostat can be combined in every conceivable configuration.

- ⌘ **Modular, compact design** functions as the base for Tabletop or Wall Mounted use and as charging base for the mPack and mPack LL mobile charging system.
- ⌘ **Upgradeable.** mPack Charging base by simple removal of the control module.
- ⌘ **Soft Start Technology.** A gradual introduction of current reduces bulb “shock” and extends bulb life.
- ⌘ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.
- ⌘ **Registered Design.**

- ⌘ Modular Power Supply System
- ⌘ Soft Start Technology
- ⌘ Switches off automatically



EN50 Charger	6V
EN50 Transformer table/wall unit with Rheostat Control Module (incl. 90° Angled Adaptor, Extension Cord Cinch-Cinch 2m, Instrument support) [01]	X-095.17.301
Rheostat Control Module for EN50 [02]	X-095.17.305
EN50 Base unit (without Rheostat Control Module) [03]	X-095.17.300
Plug-in 90° Angled Adaptor (for EN50/mPack/mPack LL without instrument support) [04]	C-000.33.509
Instrument support for Headband	C-000.33.511
Instrument support for S-FRAME and LED LoupeLight	C-000.33.512

## HEINE EN 100® Wall Transformer

### Performance you can depend on



- ⌘ **Suitable for all HEINE 3.5V instruments.**
- ⌘ **The EN100 provides a constant 3.5V output voltage independent of mains voltage fluctuations.** Economical in use, always the right amount of light and environmentally-friendly. No batteries necessary.
- ⌘ **Magnetic On/Off mechanism. No moving parts that can wear out or be damaged.** Durable and maintenance-free. Once selected, the brightness remains the same.
- ⌘ **Soft start avoids current surge during the switch-on phase.** Protects bulbs in the critical switch-on phase and prolongs bulb life. Economical in use.
- ⌘ **Advanced, ergonomic handle design.** Continuous brightness control on the handle. Quality spiral cords with a comfortable working radius of up to 3m. Instrument locks as standard equipment prevent unauthorised removal.
- ⌘ **Flexible extension option.** Freely expandable with additional extension unit.

- ⌘ Soft Start Technology
- ⌘ Lockable handles
- ⌘ Magnetic On/Off mechanism
- ⌘ Optional Extension Unit

EN100 Wall Transformer	3.5V
EN 100* (Basic Unit with two handles) [01]	X-095.12.110
EN 100-1* (Single Unit with one handle) [02]	X-095.12.109
Extension Unit* [03]	X-095.12.135

\*without instruments





Each HEINE bulb is specifically designed as an integral part of the HEINE instrument it powers, based upon the following parameters:

**Colour Temperature:**

Based on advanced HEINE XHL® Xenon Halogen Technology, each bulb is designed to provide the ideal colour temperature for the diagnosis the instrument is intended for. This ensures a proper balance between illumination brightness and true tissue colour for the most accurate diagnosis.

**Bulb Life:**

HEINE bulbs last up to 50 % longer compared with conventional bulbs, providing long life, optimum performance and cost-effectiveness.

**Safety:**

Advanced design and manufacturing procedures prevent dangerous bulb implosions.

**Optical Performance:**

The performance of each HEINE optical instrument depends on the bulb that powers it. Lenses built into the glass bulb envelope, precision filament placement and homogeneous light projection are major factors in ensuring the satisfactory performance of your HEINE instrument. We can only guarantee the performance and safety of your instrument if the appropriate HEINE bulb powers it. If a non-original copy of a HEINE bulb is used, the safety and performance of the HEINE instrument will be compromised and the manufacturer's guarantee will no longer be valid.

All XHL Xenon Halogen bulbs are now available singly in individual blister packs.

Insist on genuine HEINE replacement bulbs and parts to ensure the correct performance of your HEINE precision instrument.

HEINE XHL® Xenon Halogen Bulbs

For optimum performance and cost-effectiveness

- ❖ Exceptional performance
- ❖ Optimum light output
- ❖ Extreme long life



GENERAL MEDICINE AND ENT INSTRUMENTS		
Otosopes	2.5V	3.5V
alpha* Otoscope	X-001.88.037	
alpha+* F.O. Otoscope	X-001.88.037	X-002.88.049
BETA 100 Otoscope	X-001.88.037	X-002.88.049
BETA 200 Otoscope	X-001.88.077	X-002.88.078
K 100 Otoscope	X-001.88.037	X-002.88.049
K 180 Otoscope	X-001.88.077	X-002.88.078
mini 2000* F.O. Otoscope	X-001.88.037	
mini 2000* Otoscope	X-001.88.056	
mini 3000 F.O. Otoscope	X-001.88.105	
mini 3000 Otoscope	X-001.88.110	
minilux* Otoscope	X-001.88.056	
Operating Otoscope	X-001.88.037	X-002.88.049
ENT Instruments	2.5V	3.5V
alpha* Tongue blade holder	X-001.88.037	
alpha+* Tongue blade holder	X-001.88.037	X-002.88.049
Curved Laryngeal Mirror	X-001.88.037	X-002.88.062
Straight Laryngeal Mirror	X-001.88.057	X-002.88.063
mini 3000 Tongue blade holder	X-001.88.037	

\* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs



- ⚡ Exceptional performance
- ⚡ Optimum light output
- ⚡ Extreme long life



HNO Instruments	2.5V	3.5V
mini* Tongue blade holder	X-001.88.037	
Tongue blade holder (BETA)	X-001.88.037	X-002.88.049

Cliplights and Combi Lamps	2.5V	3.5V
HEINE Cliplight*	X-001.88.094	
mini2000* Clip Lamp	X-001.88.041	
mini2000* Combi Lamp	X-001.88.041	
mini3000 Clip Lamp	X-001.88.107	
mini3000 Laryngeal Mirror	X-001.88.057	
mini3000 Combi Lamp	X-001.88.107	
mini* Fibrilux	X-001.88.041	
mini-c Clip Lamp	X-001.88.108	

OPHTHALMIC INSTRUMENTS		
Direct Ophthalmoscopes	2.5V	3.5V
alpha* Ophthalmoscope	X-001.88.042	
alpha+* Ophthalmoscope	X-001.88.042	X-002.88.101
AUTOFOC*	X-001.88.032	X-002.88.047
BETA200 M2 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA200 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA200S Ophthalmoscope	X-001.88.069	X-002.88.070
K180 Ophthalmoscope	X-001.88.084	X-002.88.086
mini2000* Ophthalmoscope	X-001.88.042	
mini3000 Ophthalmoscope	X-001.88.106	
mini Miroflex*	X-001.88.042	
Miroflex* Ophthalmoscope	X-001.88.038	X-002.88.046

\* instrument no longer available



HEINE XHL® Xenon Halogen Bulbs

- ↳ Exceptional performance
- ↳ Optimum light output
- ↳ Extreme long life



Retinoscopes	2.5V	3.5V
alpha+* Spot Retinoscope	X-001.88.088	X-002.88.090
alpha+* Streak Retinoscope	X-001.88.087	X-002.88.089
BETA200 Spot Retinoscope	X-001.88.088	X-002.88.090
BETA200 Streak Retinoscope	X-001.88.087	X-002.88.089
HFR 2* Spot Retinoscope	X-001.88.038	X-002.88.046
HSR 2* Retinoscope	X-001.88.058	X-002.88.048
Other hand-held ophthalmic instruments	2.5V	3.5V
alpha* Focalux	X-001.88.042	
alpha* Ophthalmic Examination Light	X-001.88.043	X-002.88.102
alpha+* Finoff	X-001.88.035	X-002.88.044
alpha+* Focalux	X-001.88.042	X-002.88.101
alpha+* HSL 150 Hand-held Slit Lamp	X-001.88.098	X-002.88.099
alpha+* Ophthalmic Examination Light	X-001.88.043	X-002.88.102
Focalux	X-001.88.039	X-002.88.091
Indirect Ophthalmoscopes	3.5V	6V
Indirect Hand-held Ophthalmoscope	X-002.88.050	X-004.88.081
OMEGA 100* Indirect Ophthalmoscope		X-004.88.068
OMEGA 150* Indirect Ophthalmoscope		X-004.88.068
OMEGA 180* Indirect Ophthalmoscope		X-004.88.068
OMEGA200 Indirect Ophthalmoscope		X-004.88.068
OMEGA500 10W (optional for twice the brightness)		X-004.88.104
OMEGA500 5W (standard equipment)		X-004.88.111
SIGMA 100* Indirect Ophthalmoscope		X-004.88.076
SIGMA 150K Headworn Indirect Ophthalmoscope		X-004.88.093
SIGMA 150 Indirect Ophthalmoscope		X-004.88.093
SIGMA 150M2 Headworn Indirect Ophthalmoscope		X-004.88.093

\* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs

- ↳ Exceptional performance
- ↳ Optimum light output
- ↳ Extreme long life



Other hand-held ophthalmic Instruments	2,5V	3,5V
Glaucotest*	X-001.88.035	X-002.88.044
HSL 100* Hand-held Slit Lamp	X-001.88.098	X-002.88.099
HSL 150 Hand-held Slit Lamp	X-001.88.098	X-002.88.099
LAMBDA 100 Retinometer	X-001.88.077	X-002.88.078
mini2000* Focalux	X-001.88.042	
mini3000 Focalux	X-001.88.042	
Ophthalmic Examination Lamp	X-001.88.032	X-002.88.047

**VET INSTRUMENTS**



	2,5V	3,5V
BETA 100 VET Otoscope	X-001.88.037	X-002.88.049
BETA 200 VET Otoscope	X-001.88.077	X-002.88.078
Slit Illumination Head	X-001.88.077	X-002.88.078

**LARYNGOSCOPES**



	2,5V	3,5V
F.O. Laryngoscope Handle	X-001.88.035	X-002.88.044
Angled F.O. Laryngoscope Handle	X-001.88.035	X-002.88.044
F.O. SP Laryngoscope Lamp Handle	X-001.88.035	
Conventional Laryngoscope Blades*	X-001.88.059	

\* instrument no longer available



HEINE XHL® Xenon Halogen Bulbs

**DERMATOSCOPES AND ILLUMINATED LOUPES**



Dermatoscopes	2.5V	3.5V
alpha+* Dermatoscope	X-001.88.034	X-002.88.053
DERMAPHOT* 2,2V vacuum bulb	X-000.88.082	
DELTA 10* Dermatoscope	X-001.88.038	X-002.88.046
mini2000* Dermatoscope	X-001.88.034	
mini3000 Dermatoscope	X-001.88.109	
Illuminated loupes	2.5V	3.5V
alpha+* Illuminated Loupe 5x, 8x	X-001.88.034	X-002.88.053
Illuminated Loupe 5x, 8x (BETA)	X-001.88.038	X-002.88.046

- ⚡ Exceptional performance
- ⚡ Optimum light output
- ⚡ Extreme long life

**PROCTOLOGICAL INSTRUMENTS**



	2.5V	3.5V
Illumination Adaptor for F.O. Instruments		X-002.88.078
Proctoscope Head for proximal illumination	X-001.88.040	X-002.88.051
Illumination Head for Spreadable Anal Speculum*	X-001.88.035	X-002.88.044
		6V
Lamp Handle		X-004.88.060

**EXAMINATION LIGHTS**



Headlights		6V
SL 350* Headlight		X-004.88.068
UBL 100* spectacle-mounted illuminator for Binocular Loupes		X-004.88.080
Examination lights		12V
HL 1200, 20W halogen bulb		J-005.27.075
HL 5000, 50W halogen bulb		J-005.27.111

\* instrument no longer available



HEINE Projector Bulbs



PROJECTORS		
	Halogen	Xenon
F.O. Projector HK 4000* / 100W	<b>Y-096.15.103</b>	
F.O. Projector HK 6000*, 7000, 7000D* / 150 W	<b>Y-096.15.102</b>	
F.O. Projector mini* 20W	<b>Y-096.14.103</b>	
F.O. Projector uno*, endo*, multi* 150W	<b>Y-096.11.103</b>	
Projector XENON 1000 / 100 W		<b>Y-096.15.108</b>

\* projector no longer available



Fiber Optic (F.O.) Projector HEINE® XENON 1000



The extraordinary light output of up to 125,000 lux and a colour temperature of 6,000K – close to daylight – make the XENON 1000 the light source of choice for the most demanding examination conditions. Dimensions are identical to HK 7000. Weight 2,270g.

- ∴ **High-Tech 100W Xenon bulb.** Close to daylight.
- ∴ **Extended bulb life** of up to 500 hours.
- ∴ **Electronic control of mains voltage.**
- ∴ **Aspheric illumination optics.** Intense light with high colour temperature.
- ∴ **Continuous light intensity adjustment without colour temperature changes.**  
Allows brightness reduction with no red shift of light.
- ∴ **Folding handle.** Easy to transport.
- ∴ **For desk, wall, or wheeled stand.** Adaptable to individual needs.

- ∴ Continuous brightness control
- ∴ Xenon bulb
- ∴ Colour temperature of 6,000K

F.O. Projector XENON 1000	
fuse included	Y-096.15.117
Xenon spare bulb 100W	Y-096.15.108

Fiber Optic (F.O.) Projector HEINE® HK 7000



The F.O. Projector HK7000 incorporates a special long-life halogen bulb rated at 150 Watts. If more light is needed for a particular examination, a boost switch can be operated, giving up to 40 % more light. Suitable for all HEINE Systems with fiber optic illumination. Dimensions: Width 177 mm, Height 125 mm, Depth 217 mm. Weight 3,690g.

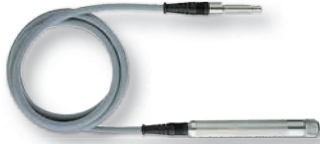
- ∴ **Powerful halogen bulb.** For maximum brightness.
- ∴ **Aspheric illumination optics.** Intense light with high colour temperature.
- ∴ **Continuous light intensity adjustment without colour temperature changes.**  
Allows brightness reduction with no red shift of light.
- ∴ **Boost switch.** Gives up to 40 % more light.
- ∴ **Extended bulb life** of up to 300 hours.
- ∴ **Folding handle.** Easy to transport.
- ∴ **For desk, wall, or wheeled stand.** Adaptable to individual needs.

- ∴ Continuous brightness control
- ∴ +40% Boost switch

F.O. Projector HK 7000	
150W XHL Halogen spare bulb and fuse included	Y-096.15.121
Spare fuse	Y-096.15.110
XHL Halogen spare bulb 150W	Y-096.15.102
Wall support for HK 7000 (adaptor for Universal F.O. Examination Light HKL included)	Y-096.15.105

## Standard Fiber Optic (F.O.) Cable for HEINE Fiber Optic Projectors

### For use with HEINE Fiber Optic Instruments



Fiber optic cable with handle for use with HEINE Fiber Optic Instruments and F.O. Projectors, for example the Instrument Head for disposable UniSpec tubes and the reusable F.O. Anoscope/Proctoscope Illumination Head, F.O. Anoscopes, Proctoscopes and Sigmoidoscopes. Length incl. handle: 180 cm.

- ∴ **4 mm dia. fiber bundle of high quality.** Outstanding light transmission. Highly flexible cable.
- ∴ **Inner metal sheathing.** Resistant to kinking.
- ∴ **Smooth outer plastic sheathing.** Easy to clean.

Standard Fiber Optic cable	<b>Y-003.99.518</b>
----------------------------	---------------------

## Wheeled Stand



Suitable for all HEINE Fiber Optic projectors and for projectors of other manufacturers.  
Dimensions: Height 900 mm, weight 3,500 g.  
Base-plate: Width 180 mm, height 150 mm, depth 240 mm

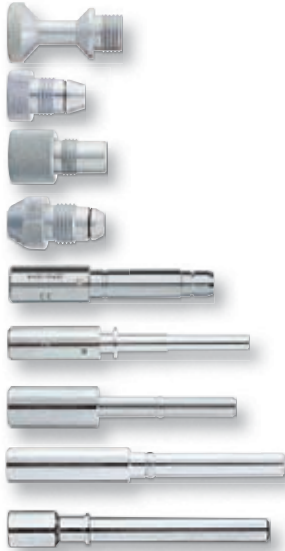
- ∴ **5 legs with 60 cm wide base.** Ensures stability.
- ∴ **2 wheel brakes.** Holds the stand securely in position.

Wheeled stand – without base-plate	<b>Y-096.50.001</b>
Wheeled stand – with base-plate	<b>Y-096.50.002</b>



Adaptor between Projectors and F.O. Cable

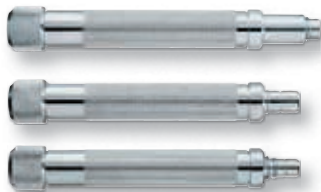
Short adaptors



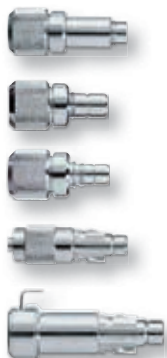
Projector manufacturer	F.O. cable manufacturer	F.O.
HEINE	Storz	Y-096.12.104
HEINE	Richard Wolf	Y-096.12.105
HEINE	ACMI	Y-096.12.107
HEINE	Olympus	Y-096.12.108
Richard Wolf	HEINE	Y-096.12.120
Storz	HEINE	Y-096.12.102
Olympus	HEINE	Y-096.12.106
Fuji	HEINE	Y-096.12.118
Pentax	HEINE	Y-096.12.119

Adaptor between Instruments and F.O. Cable

Adaptor handles – short adaptors



Instrument manufacturer	F.O. cable manufacturer	F.O.
HEINE	Winter & Ibe Storz / Olympus*	Y-096.12.115
HEINE	Richard Wolf	Y-096.12.116
HEINE	ACMI / Olympus**	Y-096.12.117



Instrument manufacturer	F.O. cable manufacturer	F.O.
HEINE	Winter & Ibe Storz / Olympus*	Y-096.12.109
HEINE	Richard Wolf	Y-096.12.111
HEINE	ACMI / Olympus**	Y-096.12.112
Winter & Ibe Storz / Olympus	HEINE	Y-096.12.113
Richard Wolf	HEINE	Y-096.12.114

\*up to 12/2003 \*\*from 01/2004

# Combined Diagnostic Sets

## COMBINED SETS

The HEINE Combined Diagnostic Sets contain three different instruments or more and include a range of high-quality HEINE products.





## HEINE Combined Diagnostic Sets



Set complete: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoscope**



1 set (6 pcs.) of reusable specula (B-000.11.221)  
10 UniSpec disposable tips 4 mm Ø (B-000.11.237)  
straight laryngeal mirror  
one spare bulb each  
hard case

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>A-231.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-231.20.376</b>	<b>A-231.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-231.20.384</b>	<b>A-231.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>A-231.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>A-231.29.420</b>





Set complete: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoscope**

1 set (6 pcs.) of reusable specula (B-000.11.221)  
10 UniSpec disposable tips 4 mm Ø (B-000.11.237)  
straight laryngeal mirror with accessories  
spreadable nasal speculum  
one spare bulb each  
zipper case

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>A-232.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-232.20.376</b>	<b>A-232.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-232.20.384</b>	<b>A-232.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>A-232.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>A-232.29.420</b>

As A-232 above, but with curved (instead of straight) laryngeal mirror with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	<b>A-233.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-233.20.376</b>	<b>A-233.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-233.20.384</b>	<b>A-233.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>A-233.20.420</b>	
 BETA L rechargeable handle and NT 300 charger			<b>A-233.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE Combined Diagnostic Sets



Set complete: **BETA200 Ophthalmoscope, BETA200 F.O. Otoscope**  
 1 set (4 pcs.) of reusable tips (B-000.11.111)  
 straight laryngeal mirror  
 nasal illuminator with speculum  
 Finoff transilluminator  
 one spare bulb each  
 hard case

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	<b>A-157.10.118</b>		
BETA R rechargeable handle for mains socket		<b>A-157.20.376</b>	<b>A-157.27.376</b>
BETA TR rechargeable handle with plug-in transformer		<b>A-157.20.384</b>	<b>A-157.27.384</b>
BETA NT rechargeable handle and NT 300 charger		<b>A-157.20.420</b>	
BETA L rechargeable handle and NT 300 charger			<b>A-157.29.420</b>

: Rechargeable handle with charge status display in the bottom insert.

HEINE mini3000® Combined Diagnostic Sets



All handles are fitted with batteries (IEC LR 6 AA size, or optional rechargeable battery with mini NT table charger\*). Please order spare bulbs separately.

Set complete with **mini 3000 Ophthalmoscope, mini 3000 Otoscope, mini 3000 CombiLamp**  
 mini3000 straight Laryngeal Mirror with plane and concave mirror  
 1 set (4 pcs.) reusable tips (B-000.11.111)  
 hard case

mini3000 Diagnostic Sets	2.5V
with mini3000 battery handle with batteries	<b>D-854.10.021</b>
as above but with nose speculum, 10 mm dia.	<b>D-853.10.021</b>



\*To upgrade to a rechargeable instrument with mini NT table charger, please see page 158.



HEINE mini3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



## HEINE EN 100® Diagnostic Centre

**An attractive modern design to keep your instruments in the right place, instantly ready for use.**

With the optional Extension Unit as original equipment or for retro-fitting to the EN 100 you have a system which lets you use three different instruments simultaneously. The EN 100 can also be combined with the AllSpec Tip Dispenser and the GAMMA XXL LF-W Sphygmomanometer to provide a complete diagnostic centre to satisfy the most demanding user.

**How to select your personal Diagnostic Centre:**

Order the EN 100 Wall Transformer and Extension Unit or additional system components such as the AllSpec Tip-Dispenser or GAMMA XXL LF-W and your choice of 3.5V instruments individually from the HEINE range.



- Soft Start Technology
- Lockable handles
- Automatic on/off switching
- Optional Extension Unit



EN 100 Diagnostic Centre	3.5V
EN 100* (Basic Unit with two handles) [01]	X-095.12.110
EN 100-1 (Single Unit with one handle) [02]	X-095.12.109
Extension Unit* [03]	X-095.12.135
AllSpec Tip-dispenser [04]	B-000.11.148
GAMMA XXL LF-W Sphygmomanometer [05]	M-000.09.323

\* without instruments





HEINE EN 100® Diagnostic Centre



[01]



[02]



EN 100 Sets	3.5V
with EN 100 Basic Unit (with two handles), <b>BETA 200 F.O. Otoscope, BETA 200 Ophthalmoscope,</b> 1 set of reusable tips and 1 spare bulb for each instrument [01]	<b>A-095.12.305</b>
with EN 100 Basic Unit (with two handles), <b>BETA 100 Diagnostic Otoscope, BETA 200 Ophthalmoscope,</b> 1 set of reusable specula and 1 spare bulb for each instrument	<b>A-095.12.307</b>
with EN 100 Basic Unit (with two handles), <b>K 180 F.O. Otoscope, K 180 Ophthalmoscope,</b> 1 set of reusable tips, 50 disposable tips 4 mm dia., 50 disposable tips 2.5 mm dia. and 1 spare bulb for each instrument [02]	<b>A-095.12.393</b>
with EN 100 Basic Unit (with two handles), <b>K 100 Diagnostic Otoscope, K 180 Ophthalmoscope,</b> 1 set of reusable tips, 50 disposable tips 4 mm dia., 50 disposable tips 2.5 mm dia. and 1 spare bulb for each instrument	<b>A-095.12.394</b>

## HEINE Cases



[01]

**Soft pouch** for otoscopes [01]**A-180.01.000**

[02]

**Zipper pouch** for otoscopes [02]**B-237.00.000**

[03]

**Case** for Binocular Loupe Sets A/C and HR-C [03]**C-000.32.552**

[04]

**Hard case** for Ophthalmic Diagnostic Sets C-034 and C-076 [04]**C-034.00.000**

[05]

**Hard case** for Indirect Ophthalmoscope Sets C-162, C-276, C-278, C-283, C-284 [05]**C-079.00.000**

[06]

**Combi-case** for Indirect Ophthalmoscope Sets C-162, C-276, C-278, C-283, C-284 [06]**C-079.03.000**

[07]

**Hard case** for Ophthalmic Diagnostic Sets C-261 and C-144 [07]**C-144.06.000**

HEINE Cases

[08]		<b>Hard case</b> for Ophthalmic Diagnostic Sets C-262 and C-145 [08]	<b>C-145.00.000</b>
[09]		<b>Case</b> for Indirect Ophthalmoscope Set C-281 [09]	<b>C-160.00.000</b>
[10]		<b>Soft pouch</b> for ophthalmoscopes [10]	<b>C-182.01.000</b>
[11]		<b>Hard case</b> for LAMBDA 100 Retinometer Set [11]	<b>C-187.06.000</b>
[12]		<b>Soft pouch</b> for mini [12]	<b>D-861.00.000</b>
[13]		<b>Zipper case</b> for mini3000 Dermatoscope [13]	<b>D-887.00.000</b>
[14]		<b>Combi-case</b> for laryngoscopes [14]	<b>F-179.00.000</b>
[15]		<b>Case</b> for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 [15]	<b>F-227.01.000</b>
[16]		<b>Zipper pouch</b> for GAMMAG Sphygmomanometers [16]	<b>M-000.09.600</b>

Further cases on request.

**Page Index****A**

089/157 Adaptors for NT300 table chargers  
 112-114 Anoscopes

**B**

156 Batteries  
 156 - Li-ion Rechargeable Battery  
 156 - NiMH Rechargeable Battery  
 125-136 Binocular Loupes  
 135 - C 2.3 / C 2.3 K  
 128 - HR  
 132 - HRP  
 134 - HR-C  
 129/131 Binocular Loupe Sets HR  
 133 Binocular Loupe Sets HRP  
 137 Binocular Loupe Accessories  
 137 - Dental Adaptor  
 137 - Headbands  
 139 - LED LoupeLight  
 137 - Spectacle frame S-FRAME  
 164 Bulbs, XHL Xenon Halogen Technology

**C**

178/179 Cases  
 157/158 Chargers  
 158 - mini NT  
 157 - NT300 and Adaptor  
 030-032 Cliplamps  
 030 - mini-c  
 031 - mini3000 Clip Lamp  
 032 - mini3000 Combi Lamp  
 159 Cord Switch

**D**

097-104 Dermatoscopes  
 098 - DELTA20 Plus  
 100 - DELTA20  
 102 - mini3000  
 103 - mini3000 LED  
 101/104 Dermatoscope Accessories  
 101 - Adaptor Cord for DELTA20 Plus/DELTA20  
 104 - Contact plate for mini3000/mini3000 LED  
 101 - Contact plate for DELTA20 Plus/DELTA20  
 101 - Dermatoscopy Oil  
 101 - SLR Photoadaptor for DELTA20 Plus/DELTA20  
 176/177 Diagnostic Centre EN 100  
 173 Diagnostic Sets, Combined

**E**

121-124 Examination Lights  
 124 - HKL F.O.  
 123 - HL 1200  
 122 - HL 5000

**F**

171 Fiber Optic Cable for HEINE Projectors  
 060 Finoff  
 060 - Transilluminator  
 074 Fundus Charts

**H**

055 Hand-held Slit Lamps  
 055 - HSL 150  
 056 - HSL 150 Sets  
 055 Hand-held Slit Lamp Accessories  
 055 - HSL 10x Loupe Attachment

**Page****Handles**

154 - BETA Battery Handle  
 154 - BETA L Rechargeable Handle  
 154 - BETA NT Rechargeable Handle  
 155 - BETA R Rechargeable Handle  
 156 - BETA SLIM Battery Handle  
 156 - BETA SLIM Rechargeable Handle  
 155 - BETA TR Rechargeable Handle  
 159 - Lamp Handle  
 156 - Large Battery Handle  
 089 - Laryngoscope F.O. Angled Handle  
 089 - Laryngoscope F.O. SP Handle  
 089 - Laryngoscope Short F.O./F.O. LED Handle  
 088 - Laryngoscope Small F.O./F.O. LED Handle  
 087/088 - Laryngoscope Standard F.O. Handle  
 086/088 - Laryngoscope Standard F.O. LED Handle  
 084 - Laryngoscope XP Disposable Handle Shell  
 157 - mini3000 Battery Handle  
 141-152 Headlights  
 145-149 - 3SLED HeadLight  
 145 - 3SLED HeadLight UNPLUGGED  
 150 - MD 1000 F.O.  
 143 - LED MicroLight

**L****Lamps**

059 - Focalux Pocket Lamp  
 030 - mini-c Clip Lamp  
 032 - mini3000 Combi Lamp  
 059 - mini3000 Focalux Pocket Lamp  
 025 Laryngeal Mirror  
 025 - curved  
 025 - mini3000  
 025 - straight

**Laryngoscopes****Laryngoscopes Classic+ F.O.**

077 - Macintosh F.O.  
 078 - Miller F.O.  
 078 - Paed F.O.  
 090/091 - Sets  
 078 - WIS F.O.

**Laryngoscopes FlexTip+ F.O.**

081 - FlexTip+ F.O.  
 092-094 - Sets

**Laryngoscopes Modular+ F.O.**

079 - Macintosh F.O.  
 080 - Miller F.O.  
 095 - Sets F.O.

**Laryngoscopes SANALON+ F.O.**

096 - Emergency Set SANALON+ F.O.  
 082 - Macintosh F.O.  
 082 - Miller F.O.  
 082 - Paed F.O.

**Laryngoscopes XP, Disposable**

096 - Emergency Set  
 083 - Macintosh  
 083 - Miller

**M****Multi-purpose Illuminator**

028 mini NT table charger  
 158 mPack/mPack LL  
 161 mPack UNPLUGGED

**N****Nasal Illuminator F.O.**

028



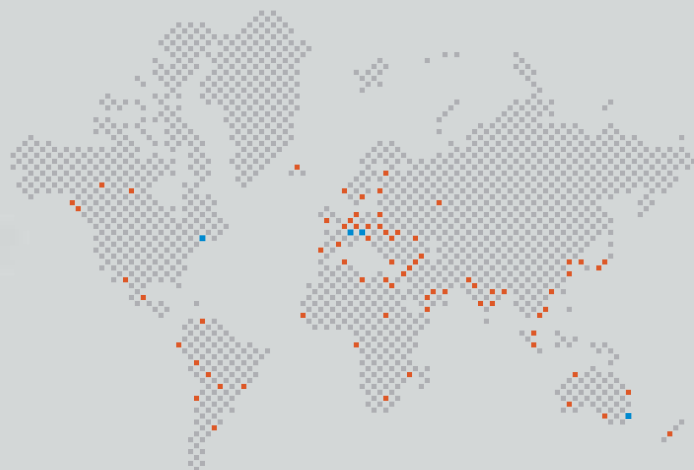




**A company makes history and gives a name to outstanding product quality: HEINE.**

Founded in 1946, family owned, rich in tradition and today international market leader in a complete range of diagnostic instruments. HEINE products meet international standards (ISO/CE) and represent the leading edge in precision and ergonomic design. Ongoing dedication to research and development has created a solid and diverse technology base for continued quality and product leadership. Over 500 employees worldwide contribute to this success.

[www.heine.com](http://www.heine.com)



■ HEINE SUBSIDIARY COMPANIES  
■ HEINE REPRESENTATIVES

**GERMANY**

HEINE Optotechnik GmbH & Co. KG  
Kientalstr. 7  
82211 Herrsching  
Tel. +49 (0) 81 52-38 0  
Fax +49 (0) 81 52-3 82 02  
E-Mail: [info@heine.com](mailto:info@heine.com)

**NORTH AMERICA**

HEINE USA LTD.  
10 Innovation Way  
Dover, NH 03820  
Tel. (603) 7 42-71 03  
Fax (603) 7 42-72 17  
Toll Free (800) 367-4872  
E-Mail: [service@heine-na.com](mailto:service@heine-na.com)

**AUSTRALIA**

HEINE AUSTRALIA PTY. LTD.  
Unit 9, 98 Old Pittwater Road  
P.O. Box 717 Brookvale 2100  
New South Wales  
Tel. +61 (0) 2-99 38 95 00  
Fax +61 (0) 2-99 39 23 05  
E-Mail: [info@heine.com.au](mailto:info@heine.com.au)

**SWITZERLAND**

HEINE (Schweiz) AG  
Tobelackerstr. 9  
CH-8212 Neuhausen am Rheinfall  
Tel. +41 (0) 52-6 72 22 66  
Fax +41 (0) 52-6 72 63 77  
E-Mail: [heine-schweiz@schaffhausen.ch](mailto:heine-schweiz@schaffhausen.ch)

Your distributor

11/12. A-000.00.100 e

