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2015 | **HEINE**

MASTER CATALOGUE | MEDICAL

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QUALITY

Durability
Performance
Function



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HEINE QUALITY MADE IN GERMANY

2015 | HEINE NEW PRODUCTS

- BETA 400 F.O. OTOSCOPE
- SIGMA 250 INDIRECT OPTHTHALMOSCOPE
- NC 1 DERMATOSCOPE
- LED LOUPELIGHT/MICROLIGHT
- ML 4 LED HEADLIGHT
- DV 1 DIGITAL VIDEO CAMERA



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HEINE BETA® 400 F.O. Otoscope

The highest magnification for the best diagnosis.

The BETA 400 F.O. Otoscope is the most advanced high quality otoscope making more details visible, while maintaining familiar handling and functionality. With a previously unmatched magnification factor of 4.2x and multi-coated precision optics for sharp spatial images, it truly provides for the best diagnosis. Combined with a large field of view the ear canal and tympanum are clearly visible at a glance. The unique opening mechanism (patent pending) can be operated with one hand and flips up the optical system. Application of instruments through the device becomes easily possible.

4.2x

4.2x MAGNIFICATION
Unrivalled: More detail of anatomical structures and easy recognition of foreign bodies.

EXCEPTIONAL DEPTH OF FIELD
Precise image: Provides sharp spatial images in a convenient working range.

ONE HAND OPERATION
Easy thumb control: Optical system to be flipped open and out of the way, enabling instrumentation and ease of cleaning.

For more information see Page 007.



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HEINE SIGMA® 250 Indirect Ophthalmoscope

Accurate diagnosis made easy.

The goal was to design an instrument that would provide the most precise examination with exceptional comfort. With a weight of 110g and precision HEINE optics with LED^{HQ} illumination for crisp, high resolution images, the SIGMA250 exceeds our initial goals.

Endless flexibility and compact design: Available with the mPack lithium-ion battery pack, which provides 23 hours of continuous ON time at full power, with mobile or wall/table charging transformer. Integrated red-free filter and two aperture sizes; cobalt-blue, yellow, and diffusor filter attachments are optional. S-FRAME lightweight spectacle frame with multiple adjustment points provides exceptional comfort for fatigue-free use, even over extended periods. Optional "clip-in" correction frame for prescription lenses is also available.

LIGHT WEIGHT

LIGHTWEIGHT FRAME

High tensile carbon fiber construction is lightweight and has excellent stability.

STEREO VIEWS REGARDLESS OF PUPIL SIZE

Separate controls for convergence of optics and the angle of parallax guarantee fully illuminated stereo views in pupils ranging from 2 – 10 mm, as well as viewing in the periphery, for the best possible examination results.

For more information see Page 060.

LED IN HEINE QUALITY

Advanced LED Technology for a homogeneous, bright light with true and natural colour rendering.

LED HQ

LED NOW IN HEINE QUALITY.



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HEINE NC1 Dermatoscope

Non-contact examination with unrivalled quality.

The new NC1 Dermatoscope is truly two instruments in one. It allows detailed, non-contact examination of the patient in a first screening, without unnecessary skin contact and disinfection. Should a skin lesion need to be examined more closely, a contact plate can be added, transforming the NC1 into a contact Dermatoscope with increased magnification and a scale. High–resolution achromatic optics provides unmatched sharpness and resolution; LED^{HQ} illumination offers true and natural colour rendering. The solid aluminium frame combined with HEINE Quality guarantee a long lifespan.

NON-CONTACT DERMATOSCOPY

Non-contact screening for efficient examination and a professional distance from the patient. Large field of view, excellent depth of field with 6x magnifiaction.

POLARISED LIGHT

Detailed views of crystalline and vascular structures without reflexes.

For more information see Page 085.

OPTIONAL CONTACT PLATE

Magnetic contact plate with 9x magnification provides high-quality contact images for a more detailed diagnosis.

LED IN HEINE QUALITY

Advanced LED illumination for an absolutely homogeneous light with true and natural colour rendering.

LED HQ

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HEINE LED LoupeLight with HR 2.5 x Binocular Loupes
The perfect match for the most accurate examination.

The combination of light and loupe delivers the ultimate in performance as high quality illumination maximizes the image quality of the loupe. Featuring LED^{HQ} illumination for homogeneous illumination with accurate colour rendering that fills the entire field of view from edge-to-edge, the LED LoupeLight is the perfect compliment to the 2.5 x magnification. All in all, a perfectly matched system with high quality components.

HEINE LED MicroLight
Ultralight, universal Headlight.

For those who need a compact, lightweight illumination solution without magnification, we offer the LED MicroLight. Featuring LED^{HQ} illumination for homogeneous illumination with true and natural colour rendering for every examination situation. Two mounting options offer individuality and easy handling. Illumination without compromises, in a lightweight design.

COAXIAL ILLUMINATION
Adjustable viewing angle over a wide range provides a completely shadowfree image and coaxial illumination of difficult to see areas.

LIGHT WEIGHT

COMPACT AND LIGHT DESIGN
Exclusive aluminium housing is lightweight and protects the optics against dust and moisture to ensure an extraordinary long lifespan.

For more information see Page 113 and Page 116.

LED IN HEINE QUALITY
Advanced LED illumination for an absolutely homogeneous light with true and natural colour rendering.

LED HQ
LED NOW IN HEINE QUALITY.



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HEINE ML 4 LED HeadLight

Compact, ergonomic design without compromises.

Compact, ergonomic design without compromises. The new HEINE ML 4 LED Headlight combines illumination in LED^{HQ} with optimum wearing comfort. It provides homogeneous illumination with an absolutely bright light spot that is uniform from edge-to-edge for the demanding tasks of a busy practice and the most accurate diagnosis in every examination situation. Individual adjustment options such as the adjustment of the viewing angle over a wide range and practical features such as the cable-free battery form a perfectly matched system.

COMFORTABLE AND SECURE FIT

The ML 4 LED HeadLight Professional L headband has multiple adjustment points for comfort and stability – ideal for long examinations.

FLEXIBLE POWER SOURCE OPTIONS

100 % freedom with a choice of cablefree mPack UNPLUGGED head-worn battery or mPack belt-worn battery pack.

For more information see Page 118.

SPOT SIZE

Adjustable from 30 mm to 80 mm (at a working distance of 420 mm) to fit any examination situation.

LED IN HEINE QUALITY

Advanced LED illumination for an absolutely homogeneous light with true and natural colour rendering.

LED HQ

LED NOW IN HEINE QUALITY.



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HEINE ML4 LED HeadLight with DV1

Digital Video Camera for high-resolution images.

High-resolution digital images of every examination. We make it happen with the new HEINE DV1 Digital Video Camera and its smooth integration in the coaxial illumination of the ML4 LED Headlight. Precision HEINE Optics guarantees that even the smallest details can be seen on the camera image. The compact camera is adjusted to the field of illumination in just a few seconds. Due to the light weight of the camera, the ML4 LED HeadLight provides the usual comfortable and secure fit even in combination with the DV1.

HD

HIGH-RESOLUTION DIGITAL IMAGES

High camera resolution of 1,280 x 960 Pixel is perfect for sharing examination images or examination techniques with a larger audience.

LIGHT WEIGHT

LIGHTWEIGHT

The compact camera is so well integrated that its light weight is barely noticeable in combination with the ML4 LED HeadLight.

OPTIMAL INTEGRATION

Ideal concept for a perfectly matched system: ML4 LED HeadLight, DV1 Digital Video Camera and optional HEINE Binocular Loupe.

For more information see Page 122.



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LED in HEINE Quality – LED^{HQ}

The new standard in LED Illumination.

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 elements 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. Depending on the application, the LED either is preset to the optimum brightness or can be continuously adjusted in light intensity.

HOMOGENEITY

The HEINE LEDs have been synchronized with the precision HEINE Optical systems in each instrument to ensure an absolutely homogeneous 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'.

CRI 90

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.

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 result in 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.

LONG LIFE

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.

LED^{HQ}

LED NOW IN HEINE QUALITY.

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ABOUT US

GENERAL MEDICINE AND ENT INSTRUMENTS

OPHTHALMIC INSTRUMENTS

LARYNGOSCOPES

DERMATOSCOPES

SPHYGMOMANOMETERS AND STETHOSCOPES

PROCTOLOGICAL INSTRUMENTS

EXAMINATION LIGHTS

LOUPES AND HEADLIGHTS

LIGHT AND POWER SOURCES

CASES

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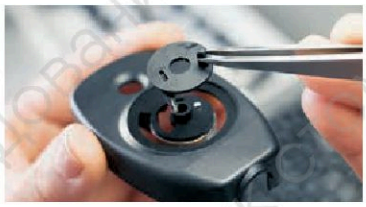


QUALITY HAS A NAME
HEINE



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 durability. 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, 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.

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HEINE QUALITY
MADE IN GERMANY



Trade Mark

AllSpec®
BETA®
DELTA®
EL10 LED®
EN100®
FlexTip®
GAMMA®
HEINE®
HEINE alpha®
HEINE AllSpec®
HEINE BETA®
HEINE Logo®
HEINE OMEGA®
HEINE SIGMA®
HEINE XHL®
HEINE XHL Halogen®
i-View®
K180®
mini3000®
OMEGA®
ParaStop®
S-FRAME®
S-GUARD®
SANALON®
SIGMA®
UniSpec®
XHL®

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

BETA L Handle
BETA 200 Retinoscope – ParaStop
DELTA 20 Plus
EN 50 / mPack
EN 50 UNPLUGGED
F.O. Laryngoscope
GAMMA G
i-View
Laryngoscope Modular F.O.
LED Laryngoscope Handle
LED LoupeLight
mini NT
mini 2Z Battery
mini 3000 Battery Handle
mPack UNPLUGGED
NT 300
OMEGA 500
SIGMA 150
XP Handle Shell

Warranty

5 YEARS GUARANTEE

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.

HEINE. Simply the best warranty in the market.

Standard 5 Year Parts and Labor Warranty:
All HEINE products carry a 5 year parts and labor warranty against defects in design, materials and workmanship. This excludes disposable and consumable items as well as rechargeable batteries.

For details please visit www.heine.com.

Laryngoscope Blade Fibre Optic Bundle:
HEINE HiLite Fiber Optic bundle in Classic+ and Modular+ Laryngoscope carry a 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 / 4 min). This includes blades that are cleaned, sterilized, disinfected or autoclaved according to approved guidelines as stated in the "Care and Maintenance" instructions.

HEINE GAMMA® G-Series:
HEINE GAMMA G7 and HEINE GAMMA XXL Sphygmomanometers carry an extended 10 year parts and labor warranty against defects in design, materials and workmanship.

QUALITY
Durability
Performance
Function

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.

Due to local regulations, some products may not be available in your area.

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HEINE Otoscopes

NEW



	BETA 400 F.O.	BETA 200 F.O.	K180 F.O.	mini 3000 F.O.	mini 3000 LED F.O.	BETA 100	K100	mini 3000
Housing construction								
Metal	□	□				□		
Polycarbonate			□	□	□		□	□
Viewing window								
Glass	□	□				□		
Acrylic			□	□	□		□	□
3 x magnification		□	□	□	□	□	□	□
4.2 x magnification	□							
Illumination								
LED F.O.					□			
XHL F.O.	□	□	□	□				
XHL Direct						□	□	□
Instrument size								
Professional	□	□	□			□	□	
Compact				□	□			□
Available power sources								
Battery 2.5 V	□	□	□	□	□	□	□	□
Rechargeable battery 2.5 V				□	□			□
Rechargeable battery 3.5 V	□	□	□			□	□	
Tips								
Reusable tips	□	□	□	□	□			□
Reusable Specula						□	□	
AllSpec Disposable tips	□	□	□	□	□	□*	□*	□
UniSpec Disposable Specula						□	□	
Tip-Adaptor						□	□	
Insufflation Bulb								
Insufflation port	□	□	□	□**	□**	□	□	
Page	007	009	011	012	014	017	019	021

* with Tip-Adaptor
** Optional insufflation port connector available

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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







HEINE BETA® 400 Fiber Optic (F.O.) Otoscope

The top of the line Fiber Optic Otoscope with 4.2x Magnification

NEW

Otoscope with all-metal housing and scratch-resistant glass optics which guarantee a long instrument life and high-quality patient assessments.



- **Instrumentation window with 4.2x magnification.** The unique (patent pending) design allows the permanently attached optical system to be flipped open and out of the way, enabling instrumentation and ease of cleaning.
- **Exceptional depth of field.** Provides sharp spatial images in a convenient working range.
- **Large field of view.** Gives necessary overview and perfect orientation during examinations.
- **Multi-coated precision optics.** Offer high resolution and distortion free images.
- **Fiber Optic Illumination.** Ensures homogeneous, bright exposure and an unobstructed view of the ear canal and tympanum.
- **Integrated Insufflation port.** Offers proper tympanic mobility testing.

- 4.2x Magnification
- Exceptional depth of field
- One hand operation

BETA 400 F.O. Otoscope	2.5 V	3.5 V
with 4 reusable tips, without handle	B-001.11.401	B-002.11.401
same, without tips, without handle	B-001.11.400	B-002.11.400
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078



HEINE BETA 400 F.O. Otoscope



conventional Otoscope

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HEINE BETA® 400 Fiber Optic (F.O.) ENT Diagnostic Sets



Set complete with: **BETA 400 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 400 F.O. Otoscope Sets	2.5V
BETA battery handle	**B-143.10.118**

HEINE BETA® 400 Fiber Optic (F.O.) Diagnostic Sets



[01]

Set complete with: **BETA 400 (F.O.) Otoscope, BETA 200 Ophthalmoscope**
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 400 F.O. Otoscope Sets	2.5V	3.5V Li-ion
BETA battery handle	**A-153.10.118**	
BETA L rechargeable handle and NT 300 charger [01]		**A-153.29.420**



[02]

Set complete with: **BETA 400 (F.O.) Otoscope, DELTA 20 Plus Dermatoscope**
5 of both AllSpec disposable tips 2.5 and 4 mm Ø (B-000.11.119)
spare bulb (for BETA 400 F.O. Otoscope)

BETA 400 F.O. Otoscope Sets	2.5V	3.5V Li-ion
BETA battery handle	**A-160.10.118**	
BETA L rechargeable handle and NT 300 charger [02]		**A-160.29.420**

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

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

The ultimate in performance and quality



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

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.** Homogeneous, reflex-free illumination of ear canal and tympanum.
- Large, scratch-resistant **glass viewing window made of multi-coated optical glass with 3 x 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.

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

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	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**B-141.10.118**		
BETA R rechargeable handle for mains socket		**B-141.20.376**	**B-141.27.376**
BETA TR rechargeable handle with plug-in transformer		**B-141.20.384**	**B-141.27.384**
BETA NT rechargeable handle and NT 300 charger		**B-141.20.420**	
(L) BETA L rechargeable handle and NT 300 charger			**B-141.29.420**

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

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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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	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**A-132.10.118**		
BETA R rechargeable handle for mains socket		**A-132.20.376**	**A-132.27.376**
BETA TR rechargeable handle with plug-in transformer		**A-132.20.384**	**A-132.27.384**
BETA NT rechargeable handle and NT 300 charger		**A-132.20.420**	
BETA L rechargeable handle and NT 300 charger			**A-132.29.420**

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

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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 BETA 200 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-001.11.551	B-002.11.551
same, without tips, without handle	B-001.11.550	B-002.11.550
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

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 Li-ion
BETA battery handle	B-181.10.118		
BETA R rechargeable handle for mains socket		B-181.20.376	B-181.27.376
BETA TR rechargeable handle with plug-in transformer		B-181.20.384	B-181.27.384
BETA NT rechargeable handle and NT 300 charger		B-181.20.420	
(L) BETA L rechargeable handle and NT 300 charger			B-181.29.420



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 Li-ion
BETA battery handle	A-279.10.118		
BETA R rechargeable handle for mains socket		A-279.20.376	A-279.27.376
BETA TR rechargeable handle with plug-in transformer		A-279.20.384	A-279.27.384
BETA NT rechargeable handle and NT 300 charger		A-279.20.420	
(L) BETA L rechargeable handle and NT 300 charger			A-279.29.420

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

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® Fiber Optic (F.O.) Otoscope

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



Modern pocket otoscope in a unique, compact design. Handy and powerful. Can only be used with the mini 3000 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.
- **Award-winning design.** Maximum quality with minimum dimensions.

- Modern pocket otoscope
- Fiber Optic (F.O.) illumination
- Port for pneumatic testing

mini 3000 F.O. Otoscope	2.5 V
with mini 3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	**D-001.70.120**
with mini 3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	**D-001.70.110**
with mini 3000 rechargeable handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips (please order mini NT table charger separately)	**D-001.70.301**
mini 3000 F.O. Otoscope head **without handle** and without accessories	**D-001.70.106**
XHL Xenon Halogen spare bulb	**X-001.88.105**
Insufflation port connector for mini 3000 F.O. Otoscopes	**D-000.80.101**





*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.

HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® Fiber Optic (F.O.) Diagnostic Sets



Set complete with: **mini 3000 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

mini 3000 Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with mini 3000 battery handle with batteries	**D-851.10.021**



Set complete with: **mini 3000 Ophthalmoscope, mini 3000 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

mini 3000 Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with **2** mini 3000 battery handles with batteries	**D-873.11.021**



Set complete with: **mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope,**
mini NT table charger
5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)

mini 3000 Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with **2** mini 3000 rechargeable handles	**D-859.11.022***

*with this Art. No. only available in black.

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HEINE mini 3000® LED Fiber Optic (F.O.) Otoscope

with LED Illumination in HEINE Quality – LED^{HQ}

LED NOW IN HEINE QUALITY.



- 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 mini 3000 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 4000 K, 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	2.5 V
with mini 3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	**D-008.70.120**
with mini 3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries	**D-008.70.110**
with mini 3000 rechargeable handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips (please order mini NT table charger separately)	**D-008.70.301**
mini 3000 LED F.O. Otoscope head **without handle** and without accessories	**D-008.70.106**
Insufflation port connector for mini 3000 F.O. Otoscopes	**D-000.80.101**



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.



HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® LED Fiber Optic (F.O.) Diagnostic Sets

LED NOW IN HEINE QUALITY.



Set complete with: **mini 3000 LED 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

mini 3000 LED Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with mini 3000 battery handle with batteries	**D-885.20.021**



Set complete with: **mini 3000 LED Ophthalmoscope, mini 3000 LED 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

mini 3000 LED Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with **2** mini 3000 battery handles with batteries	**D-886.11.021**



Set complete with: **mini 3000 LED Ophthalmoscope, mini 3000 LED F.O. Otoscope,**
mini NT table charger
5 each of 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)

mini 3000 LED Fiber Optic (F.O.) Diagnostic Sets	2.5 V
with **2** mini 3000 rechargeable handles	**D-860.11.022***

*with this Art. No. only available in black

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.

AllSpec Disposable tips (grey) for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes	
Pack of 1000 pcs. 2.5 mm dia. (infants) [03]	**B-000.11.128**
Pack of 1000 pcs. 4 mm dia. (adults) [03]	**B-000.11.127**
Case of 10 dispenser packs of 250 tips, 2.5 mm dia (infants) [01]	**B-000.11.151**
Case of 10 dispenser packs of 250 tips, 4 mm dia (adults) [01]	**B-000.11.150**
AllSpec Tip-dispenser [02]	**B-000.11.148**


[01]


[02]


[03]

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.

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Reusable tips


Ø 2,4 mm Ø 3 mm Ø 4 mm Ø 5 mm

- **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) for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes	1 piece	50 pieces
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

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


Ø 3 mm Ø 5 mm

- **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 BETA 400, BETA 200 and K180 Otoscopes	B-000.11.240
Insufflation bulb for mini 3000 F.O. Otoscope with connector	D-000.80.102
Insufflation port connector for mini 3000 F.O. Otoscope	D-000.80.101

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Bright XHL Xenon Halogen direct illumination.







HEINE BETA® 100 Diagnostic Otoscope

Diagnostic Otoscope with an all-metal housing



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

An otoscope with direct Xenon Halogen illumination in an elegant all-metal instrument head. 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.

BETA100 Diagnostic Otoscope	2.5 V	3.5 V
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



[01]

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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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 Li-ion
BETA battery handle	B-236.10.118		
BETA R rechargeable handle for mains socket		B-236.20.376	B-236.27.376
BETA TR rechargeable handle with plug-in transformer		B-236.20.384	B-236.27.384
BETA NT rechargeable handle and NT 300 charger		B-236.20.420	
BETA L rechargeable handle and NT 300 charger			B-236.29.420

: 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 Li-ion
BETA battery handle	A-234.10.118		
BETA R rechargeable handle for mains socket		A-234.20.376	A-234.27.376
BETA TR rechargeable handle with plug-in transformer		A-234.20.384	A-234.27.384
BETA NT rechargeable handle and NT 300 charger		A-234.20.420	
BETA L rechargeable handle and NT 300 charger			A-234.29.420

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

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HEINE® K100 Diagnostic Otoscope

Diagnostic Otoscope with a high-impact polycarbonate housing



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.

- Polycarbonate construction
- Easy instrumentation



[01]

K100 Diagnostic Otoscope	2.5 V	3.5 V
with 3 reusable specula 3.5 / 4.5 / 5.5 mm dia., without handle	B-001.11.576	B-002.11.576
without specula, without handle	B-001.11.575	B-002.11.575
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049
Replacement cover for bulb [01] Reduces reflexes.		B-000.11.212

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	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	B-237.10.118		
BETA R rechargeable handle for mains socket		B-237.20.376	B-237.27.376
BETA TR rechargeable handle with plug-in transformer		B-237.20.384	B-237.27.384
BETA NT rechargeable handle and NT 300 charger		B-237.20.420	
(L) BETA L rechargeable handle and NT 300 charger			B-237.29.420

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

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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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 Li-ion
BETA battery handle	B-245.10.118		
BETA R rechargeable handle for mains socket		B-245.20.376	B-245.27.376
BETA TR rechargeable handle with plug-in transformer		B-245.20.384	B-245.27.384
BETA NT rechargeable handle and NT300 charger		B-245.20.420	
BETA L rechargeable handle and NT300 charger			B-245.29.420

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

HEINE ENT Diagnostic Sets



Set complete with: **K100 Diagnostic Otoscope**
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 Li-ion
BETA battery handle	B-241.10.118		
BETA R rechargeable handle for mains socket		B-241.20.376	B-241.27.376
BETA TR rechargeable handle with plug-in transformer		B-241.20.384	B-241.27.384
BETA NT rechargeable handle and NT300 charger		B-241.20.420	
BETA L rechargeable handle and NT300 charger			B-241.29.420

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

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® 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 mini 3000 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 mini 3000 instrument heads.
- **Viewing window with 3 x magnification** and optimised 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*.

mini 3000 Otoscope	2.5 V
with mini 3000 battery handle and 1 set (4 pcs.) reusable tips and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries	D-001.70.220
with mini 3000 battery handle and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries	D-001.70.210
with bulb, **without handle** and without accessories	D-001.70.206



XHL Xenon Halogen spare bulb	X-001.88.110

*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.

HEINE mini 3000® Diagnostic Sets



Set complete with: **mini 3000 Otoscope**
1 set (4 pcs.) reusable tips
5 each of 2.5 and 4 mm dia. AllSpec disposable tips
hard case

mini 3000 Diagnostic Sets	2.5 V
mini 3000 battery handle with batteries	D-851.20.021



Set complete with: **mini 3000 Ophthalmoscope, mini 3000 Otoscope,**
1 set (4 pcs.) reusable tips
5 each of 2.5 and 4 mm dia. AllSpec disposable tips
hard case

mini 3000 Diagnostic Sets	2.5 V
2 mini 3000 battery handles with batteries	D-873.21.021

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE UniSpec® Disposable Ear Specula



- **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 and K100	
Pack of 1000, 2.5mm dia. (infants) 1000 pcs./1 pack	B-000.11.242
Pack of 1000, 4mm dia. (adults) 1000 pcs./1 pack	B-000.11.241
UniSpec tip dispenser	B-000.11.146

⊗: Single use only.

Reusable Specula



- **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 and K100	
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

Tip-Adaptor



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

Tip-Adaptor	B-000.11.306

Insufflation Bulb



- **For pneumatic testing.**

Insufflation bulb for BETA100 and K100 Otoscopes	B-000.11.240

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Tongue-Blade Holder

For wooden tongue-blades


[01]

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

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

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 plastic tongue-blades.** Strong and hygienic.

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

HEINE mini 3000® Tongue-Blade Holder

With blade ejector for HEINE Disposable Tongue-Blades

Can only be used with the mini 3000 handle system.


[01]


[02]



- **Finger-tip pressure releases the used blade.** No need to touch the blade after use.
- **XHL Xenon Halogen Technology.** Concentrated illumination of oral cavity and pharynx.
- **Only for HEINE Disposable Tongue-Blades.** Strong and hygienic.

mini 3000 Tongue-Blade Holder	2.5 V
Tongue-blade holder head with bulb, **without handle** [01]	D-001.74.100
complete with mini 3000 battery handle* and 5 disposable blades, with batteries [02]	D-001.74.118
XHL Xenon Halogen spare bulb	X-001.88.037
Pack of 100 disposable plastic tongue-blades	B-000.12.304

*Available in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE® mini-c Clip Lamp

Compact, long-life pocket diagnostic light



[01] [02] [03]

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

mini-c Clip Lamp only fits mini-c handles. The mini-c handle is not compatible with mini 3000 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	2.5 V
with batteries (in blister pack) [01]	**D-001.73.109**
with Ear Light with batteries (in blister pack) [02]	**D-001.73.103**
Ear Light for mini-c Clip Lamp, 6 pieces in blister pack [03]	**D-000.73.105**
XHL Xenon Halogen spare bulb	**X-001.88.108**



HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. HEINE mini 3000 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.

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HEINE mini 3000® 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 unique XHL Xenon Halogen lens-bulb.

Can only be used with the mini 3000 handle system. Handle available in black or blue.



[01]



[02]

- **Compact, oval, attractive light.** Lies ergonomically in the hand.
- **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini 3000 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 mini NT 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



mini 3000 Clip Lamp	2.5 V
complete with mini 3000 battery handle, with batteries [01]	**D-001.73.131**
mini 3000 Clip Lamp head **without handle**	**D-001.73.130**
Ear Light for mini 3000 Clip Lamp, 6 pieces in blister pack [02]	**D-000.73.105**
XHL Xenon Halogen spare bulb	**X-001.88.107**



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.



HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE mini 3000® 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 unique XHL Xenon Halogen lens-bulb.

Can only be used with the mini 3000 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 mini 3000 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 mini NT table charger*.



[01]

mini 3000 Combi Lamp	2.5 V
on mini 3000 Battery Handle with 5 disposable blades and batteries	**D-001.76.120**
without handle	**D-001.76.101**
XHL Xenon Halogen spare bulb	**X-001.88.107**
Box of 100 disposable tongue-blades [01]	**B-000.12.304**





*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.

HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE Veterinary ENT diagnostic instruments



Slit Illumination Head



Operating Otoscope



BETA 200 F.O. VET Otoscope



BETA 100 VET Otoscope

	Slit Illumination Head	Operating Otoscope	BETA 200 F.O. VET Otoscope	BETA 100 VET Otoscope
Housing construction				
Metal	□	□	□	□
Swivel lens – Magnification				
Glass / Magnification 1.6 x	□			
Glass / Magnification 2.5 x		□	□	□
Illumination				
F.O.	□		□	
Direct		□		□
Instrument size				
Professional	□	□	□	□
Available power sources				
Battery 2.5 V	□	□	□	□
Rechargeable battery 3.5 V	□	□	□	□
Tips				
Long, closed specula	□			
Slit metal specula, open	□			
Spreadable speculum	□			
Short, closed specula	□			□
Reusable specula		□		
UniSpec VET disposable tips	□*	□		
VET reusable specula			□	□**
AllSpec disposable tips (with adaptor)		□***		□***
Insufflation port			□	□
Page	028	030	031	032

* with Adaptor for UniSpec VET disposable tips
** with Adaptor for reusable VET specula
*** with Adaptor for AllSpec tips

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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	G-001.21.301	G-002.21.301
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Swivel lens		G-000.21.209

HEINE Veterinary Diagnostic Sets



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

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



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

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

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

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HEINE Veterinary Diagnostic Set



Set complete with: **Slit illumination head, BETA 200 Ophthalmoscope**
5 short, closed SANALON S specula
10 UniSpec disposable ear specula with adaptor
1 set = 4 long, closed specula
(57 mm x 4 mm dia., 65 mm x 6 mm dia., 90 mm x 7 mm dia., 150 mm x 10 mm dia.)
2 slit specula
spreadable speculum
1 spare bulb for each instrument
hard case

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

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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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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. 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.

Operating Otoscope	2.5V	3.5V
with 1 set = 6 reusable specula, without handle	**B-001.11.494**	**B-002.11.494**
without specula, without handle	**B-001.11.492**	**B-002.11.492**
XHL Xenon Halogen spare bulb	**X-001.88.037**	**X-002.88.049**

HEINE Operating Otoscope ENT Diagnostic Set



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 Li-ion
BETA battery handle	**B-188.10.118**		
BETA R rechargeable handle for mains socket		**B-188.20.376**	**B-188.27.376**
BETA TR rechargeable handle with plug-in transformer		**B-188.20.384**	**B-188.27.384**
BETA NT rechargeable handle and NT 300 charger		**B-188.20.420**	
(L) BETA L rechargeable handle and NT 300 charger			**B-188.29.420**

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

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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.

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

HEINE Veterinary Diagnostic Sets



Set complete with: **BETA 200 Ophthalmoscope, BETA 200 VET Otoscope**
3 reusable SANALON S VET specula
1 spare bulb for each instrument
zipper case

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

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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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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 (G-000.21.214), 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.

BETA100 VET Otoscope	2.5V	3.5V
without specula, without handle	G-001.21.260	G-002.21.260
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049

Reusable VET specula

for BETA200 VET and BETA100 VET with adaptor



9mm dia. 6mm dia. 4mm dia.



[01]

A VET adapter [01] is required for use of VET reusable tips on the BETA100 VET.

- **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	G-000.21.213
61 mm long / 4mm dia.	G-000.21.210
61 mm long / 6mm dia.	G-000.21.211
61 mm long / 9mm dia.	G-000.21.212
Adaptor for reusable SANALON S VET specula [01]	G-000.21.214

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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Long, closed specula

for Slit Illumination Head



57 mm 4 mm dia. | 65 mm 6 mm dia. | 90 mm 7 mm dia. | 150 mm 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	
57 mm long / 4 mm dia.	G-000.21.330
65 mm long / 6 mm dia.	G-000.21.331
90 mm long / 7 mm dia.	G-000.21.332
150 mm long / 10 mm dia.	G-000.21.350

Slit metal specula, open

for Slit Illumination Head



65 mm long 6 mm dia. | 90 mm long 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	
65 mm long / 6 mm dia.	G-000.21.341
90 mm long / 7 mm dia.	G-000.21.342

Spreadable speculum for Slit Illumination Head

for Slit Illumination Head



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

- **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	
Spreadable speculum for Slit Illumination Head (95 mm long)	G-000.21.360

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Short, closed specula

for Slit Illumination Head and BETA100 VET Otoscope



5.5mm dia. 4.5mm dia. 3.5mm dia.



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

Reusable Specula

for Operating Otoscope



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

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HEINE UniSpec® disposable ear specula

for BETA100 VET, Operating Otoscope and Slit Illumination Head




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

⊗: Single use only.

HEINE AllSpec® Disposable tips

for BETA100 VET and Operating Otoscope




[01] [02]


[03]


[04]

A tip adapter [04] is required for use of AllSpec disposable tips on the BETA 100 VET and on the operation otoscope.

- **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. 2.5mm dia. [03]	B-000.11.128
Pack of 1000 pcs. 4mm dia. [03]	B-000.11.127
Case of 10 dispenser packs of 250 tips, 2.5mm dia [01]	B-000.11.151
Case of 10 dispenser packs of 250 tips, 4mm dia [01]	B-000.11.150
AllSpec Tip-dispenser [02]	B-000.11.148
Adaptor for AllSpec tips [04]	B-000.11.306

AllSpec Tip-dispenser [02]
The right size, visible and instantly available. A clean new tip for each and every patient. Contents: 50 pcs. Ø 2.5mm and 50 pcs. Ø 4mm.

⊗: Single use only.

Insufflation Bulb

for BETA200 VET and BETA100 VET Otoskope



- **For pneumatic testing.**

Insufflation bulb	B-000.11.240

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HEINE Direct Ophthalmoscopes

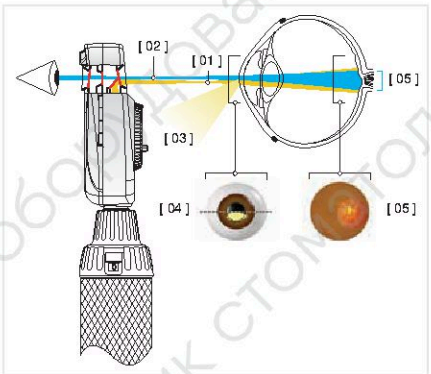






	BETA 200 S	BETA 200 / BETA 200 M2 Opt. 1	BETA 200 / BETA 200 M2 Opt. 2	K 180 Opt. 1	K 180 Opt. 2	mini 3000	mini 3000 LED
Optical System							
Aspherical	□	□					
Conventional				□		□	□
Illumination							
LED-Illumination							□
XHL-Illumination	□	□		□		□	
Apertures							
●	□		□				
●	□	□		□		□	□
●	□	□		□		□	□
●	□	□			□		
✶			□			□	□
✺	□	□		□			
I	□	□		□			
▬	□	□				□	□
●	□*	□*		□		□	□
Corrective lenses							
Range	- 36 to +38	- 35 to +40		- 35 to +40		- 20 to +20	- 20 to +20
Number of Lenses	28	27		27		18	18
1 D Steps	□						
Dust protection							
Dustproof	□	□					
Dust protected				□		□	□
Metal chassis	□	□					
Instrument size							
Professional	□	□		□			
Compact						□	□
Available Power Sources							
Battery 2.5 V	□	□		□		□	□
Rechargeable battery 2.5 V						□	□
Rechargeable battery 3.5 V	□	□		□			
Page	037	038		041		043	045

* 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.

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HEINE BETA® 200 S Ophthalmoscope

Superior aspherical optics and 74 single-diopter steps



- **Unique optical system.** HEINE optimises 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: 28 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.**
- **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.

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

BETA 200 S Ophthalmoscope	2.5 V	3.5 V
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, hemispot



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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE BETA® 200 Ophthalmoscope

The ophthalmoscope with superior aspherical optics



The ophthalmoscope with unique aspherical optics and all the features of the BETA 200 S, 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	2.5 V	3.5 V
without handle	C-001.30.100	C-002.30.100
BETA 200 M2 Ophthalmoscope, without handle. Like BETA 200, except with fixation star aperture without polar coordinates and with pinhole instead of small spot.	C-001.30.102	C-002.30.102
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070

- Eliminates corneal reflex
- Ideal for small pupils
- Dustproof

BETA 200 apertures



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



With red-free filter

BETA 200 M2 apertures



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



With red-free filter

HEINE BETA® 200 S / 200 Ophthalmic Diagnostic Sets



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

BETA 200 S Ophthalmoscope Sets	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	C-261.10.118		
BETA R rechargeable handle for mains socket		C-261.20.376	C-261.27.376
BETA TR rechargeable handle with plug-in transformer		C-261.20.384	C-261.27.384
BETA NT rechargeable handle and NT 300 charger		C-261.20.420	
BETA L rechargeable handle and NT 300 charger			C-261.29.420

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

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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 Li-ion
BETA battery handle	C-144.10.118*		
BETA R rechargeable handle for mains socket		C-144.20.376	C-144.27.376
BETA TR rechargeable handle with plug-in transformer		C-144.20.384	C-144.27.384
BETA NT rechargeable handle and NT 300 charger		C-144.20.420	
BETA L rechargeable handle and NT 300 charger			C-144.29.420

*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 Li-ion
BETA battery handle	C-262.10.118		
BETA R rechargeable handle for mains socket		C-262.20.376	C-262.27.376
BETA TR rechargeable handle with plug-in transformer		C-262.20.384	C-262.27.384
BETA NT rechargeable handle and NT 300 charger		C-262.20.420	
BETA L rechargeable handle and NT 300 charger			C-262.29.420



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 Li-ion
BETA battery handle	C-145.10.118		
BETA R rechargeable handle for mains socket		C-145.20.376	C-145.27.376
BETA TR rechargeable handle with plug-in transformer		C-145.20.384	C-145.27.384
BETA NT rechargeable handle and NT 300 charger		C-145.20.420	
BETA L rechargeable handle and NT 300 charger			C-145.29.420

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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE Diagnostic Sets



Set complete: **BETA 200 Ophthalmoscope, BETA 200 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	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**A-132.10.118**		
BETA R rechargeable handle for mains socket		**A-132.20.376**	**A-132.27.376**
BETA TR rechargeable handle with plug-in transformer		**A-132.20.384**	**A-132.27.384**
BETA NT rechargeable handle and NT 300 charger		**A-132.20.420**	
BETA L rechargeable handle and NT 300 charger			**A-132.29.420**



Set complete: **BETA 200 Ophthalmoscope, BETA 100 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	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**A-234.10.118**		
BETA R rechargeable handle for mains socket		**A-234.20.376**	**A-234.27.376**
BETA TR rechargeable handle with plug-in transformer		**A-234.20.384**	**A-234.27.384**
BETA NT rechargeable handle and NT 300 charger		**A-234.20.420**	
BETA L rechargeable handle and NT 300 charger			**A-234.29.420**

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

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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 -35 D to +40 D.** 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	2.5 V	3.5 V
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	2.5 V	3.5 V NiMH	3.5 V Li-ion
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 NT 300 charger		C-182.20.420	
(L) BETA L rechargeable handle and NT 300 charger			C-182.29.420

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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE K180® Diagnostic Sets



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

K180 Diagnostic Sets	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**A-279.10.118**		
BETA R rechargeable handle for mains socket		**A-279.20.376**	**A-279.27.376**
BETA TR rechargeable handle with plug-in transformer		**A-279.20.384**	**A-279.27.384**
BETA NT rechargeable handle and NT 300 charger		**A-279.20.420**	
BETA L rechargeable handle and NT 300 charger			**A-279.29.420**

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

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HEINE mini 3000® Ophthalmoscope

Compact Pocket Ophthalmoscope



- Modern pocket instrument
- 5 different apertures
- Dust-resistant

Modern pocket ophthalmoscope – fixation star aperture with grey filter for the reduction of the light intensity. Excellent optics and best colour rendering in minimum dimensions, ideal for rounds and house calls. Can be used with the mini 3000 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** minimise the reflections.
- **5 different apertures.** A full-function instrument incl. fixation star.
- **Grey filter** for light-sensitive patients.
- **Range of lenses: 18 lenses from -20 D to +20 D.**

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

- **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.
- **Award-winning design.** Maximum quality with minimum dimensions.

mini 3000 Ophthalmoscope	2.5 V
with mini 3000 Battery Handle, with batteries	D-001.71.120
with mini 3000 rechargeable handle (please order mini NT table charger separately)	D-001.71.200
without handle	D-001.71.105

XHL Xenon Halogen spare bulb	X-001.88.106

mini 3000 apertures



Fixation star, large spot, small spot, hemispot, red-free filter

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HEINE mini 3000® 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**
hard case

mini 3000 Ophthalmoscope Set	2.5V
mini 3000 battery handle with batteries	**D-852.10.021**



Set complete with: **mini 3000 Ophthalmoscope, mini 3000 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

mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope Set	2.5V
with **2** mini 3000 battery handles with batteries	**D-873.11.021**
as above but with **mini 3000 Otoscope** instead of mini 3000 F.O. Otoscope	**D-873.21.021**



Set complete with: **mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope**
mini NT table charger
5 of both 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)

mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope Set	2.5V
with **2** mini 3000 rechargeable handles	**D-859.11.022***

*with this Art. No. only available in black.





*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.

HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE mini 3000® LED Ophthalmoscope

with LED Illumination in HEINE Quality – LED^{HQ}

LED HQ
LED NOW IN HEINE QUALITY.



- 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 mini 3000 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 4000 K, 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.

mini 3000 LED Ophthalmoscope	2.5 V
with mini 3000 Battery Handle, with batteries	D-008.71.120
with mini 3000 rechargeable handle (please order mini NT table charger separately)	D-008.71.200
without handle	D-008.71.105

mini 3000 apertures



Fixation star, large spot, small spot, hemispot, red-free filter

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HEINE mini 3000® LED Diagnostic Sets

LED HQ
LED NOW IN HEINE QUALITY.

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



Set complete with: **mini 3000 LED Ophthalmoscope**
hard case

mini 3000 LED Ophthalmoscope Set	2.5 V
mini 3000 battery handle with batteries	**D-885.21.021**



Set complete with: **mini 3000 LED Ophthalmoscope, mini 3000 LED 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

mini 3000 LED Ophthalmoscope, mini 3000 LED F.O. Otoscope Set	2.5 V
with **2** mini 3000 battery handles with batteries	**D-886.11.021**



Set complete with: **mini 3000 LED Ophthalmoscope, mini 3000 LED F.O. Otoscope**
mini NT table charger
5 of both 2.5 and 4 mm dia. AllSpec disposable tips (B-000.11.119)

mini 3000 LED Ophthalmoscope, mini 3000 LED F.O. Otoscope Set	2.5 V
with **2** mini 3000 rechargeable handles	**D-860.11.022***

*with this Art. No. only available in black.



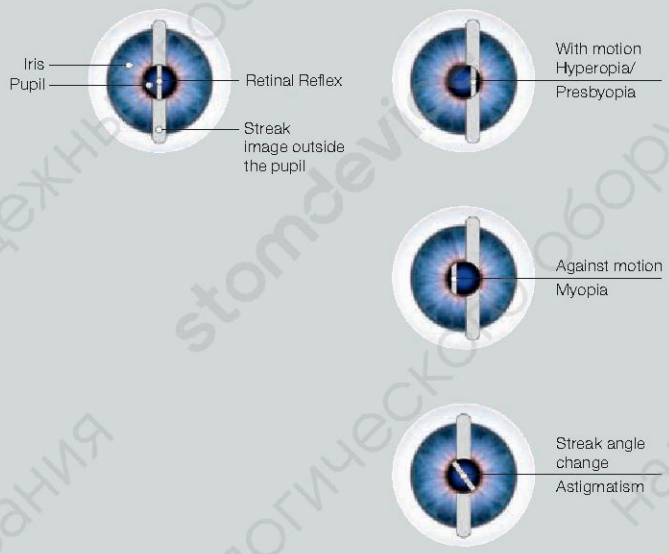


*To upgrade to a rechargeable instrument with mini NT table charger, please see page 128.

HEINE mini 3000 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.

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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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	2.5 V	3.5 V
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 **spot retinoscope**	**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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE Ophthalmic Diagnostic Sets



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

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

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



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

BETA 200 S Diagnostic Sets	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	C-262.10.118		
BETA R rechargeable handle for mains socket		C-262.20.376	C-262.27.376
BETA TR rechargeable handle with plug-in transformer		C-262.20.384	C-262.27.384
BETA NT rechargeable handle and NT 300 charger		C-262.20.420	
(L) BETA L rechargeable handle and NT 300 charger			C-262.29.420



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

BETA 200 Diagnostic Sets	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	C-145.10.118		
BETA R rechargeable handle for mains socket		C-145.20.376	C-145.27.376
BETA TR rechargeable handle with plug-in transformer		C-145.20.384	C-145.27.384
BETA NT rechargeable handle and NT 300 charger		C-145.20.420	
(L) BETA L rechargeable handle and NT 300 charger			C-145.29.420

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

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

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

HSL 150 for BETA or BETA SLIM handles	2.5 V	3.5 V
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 10 x Loupe Attachment

Loupe attachment with 10 x magnification



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

- **10 x 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 10 x Loupe Attachment	C-000.14.606

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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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	2.5 V	3.5 V
BETA SLIM battery handle, in soft pouch, without spare bulb [01]	C-252.10.105	
same, with HSL 10 x Loupe Attachment, spare bulb, in hard case [02]	C-268.10.105	
BETA SLIM rechargeable handle and NT 300 table charger*, spare bulb, in hard case		C-266.20.470
same, with HSL 10 x Loupe Attachment, in hard case		C-268.20.470

*NT 300 table charger incl. reducer insert



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

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

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

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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 recognizeable angle indicates potential acuity.





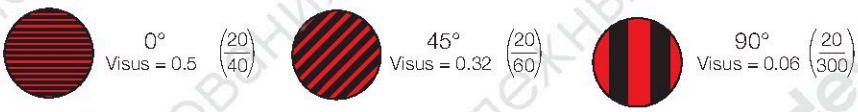


LAMBDA 100 Retinometer	2.5 V	3.5 V
with acuity scale 20/300 to 20/25 (scale 2), without handle	C-001.35.015	C-002.35.015
with acuity scale 0.06 to 0.8 (decimal scale 1), without handle	C-001.35.010	C-002.35.010
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Patient card [01]		C-000.35.005



[01]

LAMBDA 100
Examples of various acuity grating patterns (visual angle 1°)



For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE® LAMBDA 100 Retinometer Sets



Set complete with: **LAMBDA100 Retinometer** acuity scale 0.06 to 0.8 (scale 1)
patient card
spare bulb
hard case

LAMBDA 100 Sets	2.5V
BETA battery handle	C-187.10.118

Set complete with: **LAMBDA100 Retinometer** acuity scale 20/300 to 20/25 (scale 2)
patient card
spare bulb
hard case

LAMBDA 100 Sets	3.5V NiMH	3.5V Li-ion
BETA R rechargeable handle for mains socket	C-189.20.376	C-189.27.376
BETA TR rechargeable handle with plug-in transformer	C-189.20.384	C-189.27.384
BETA NT rechargeable handle and NT 300 charger	C-189.20.420	
(L) BETA L rechargeable handle and NT 300 charger		C-189.29.420

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

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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 100 mm working distance.**

Ophthalmic Examination Lamp	2.5 V	3.5 V
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

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



[01]

Finoff Transilluminator	2.5 V	3.5 V
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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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HEINE Indirect Ophthalmoscopes



OMEGA 500

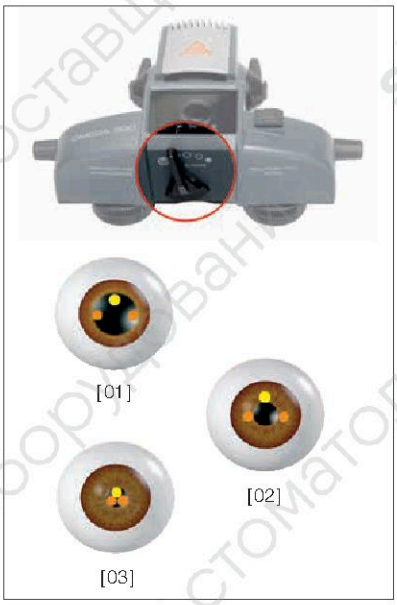
NEW



SIGMA 250

SIGMA 250 M2

	OMEGA 500	SIGMA 250	SIGMA 250 M2
Convergence and Parallax Adjustment			
Synchronized	□		
Separate		□	□
Apertures			
●	□		□
●	□	□	
●	□	□	□
Diffusor	□	optional	optional
Filters			
	□	optional	optional
	□	optional	optional
	□	□	□
Versions			
LED-Illumination	optional	□	□
XHL-Illumination	optional		
Headband	□	optional	optional
S-FRAME		□	□
Teaching mirror	optional	optional	optional
Brightness control			
On the Instrument	□		
On the power source		□	□
Mobile power supply			
Headband-mounted battery			
mPack UNPLUGGED	□		
mPack	□		
mPack LL		□	□
Stationary power supply			
EN 50 Table- or / Wall Transformer	□	□	□
Mains Transformer	□		
Page	055	060	



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.

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HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

Quality with LED or XHL Xenon-Halogen Lamp illumination



- LED- or XHL-Technology
- Unique Synchr. Adjustment
- Dustproof

With its XHL Xenon-Halogen-Technology and perfect colour rendering, the OMEGA 500 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 minimising the reflections.
- **Due to the mounting of the optics on an aluminum chassis,** the OMEGA 500 is solid, long lasting, and is guaranteed to be dustproof.
- **The HC 50 L Headband Rheostat controls the LED illumination as well as the XHL Xenon-Halogen illumination.**

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.



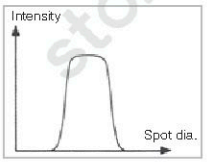
Separate fine-tuning of the illumination beam ± 4° in addition to synchronized convergence and parallax adjustment.



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 HQ
LED NOW IN HEINE QUALITY.

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, up to 20,000 hours.
- **State of the art LED illumination system** produces absolutely homogeneous, 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 OMEGA 500 allow an exact diagnosis: colour temperature 4000 K, CRI value > 90.
- With the **Rheostat HC 50 L** the light intensity can be precisely adjusted – especially in the range of low light intensities.
- **Convert your XHL Xenon Halogen OMEGA 500 to LED:** With an upgrade kit the OMEGA 500 can easily and quickly be adapted to the new technology.

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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:

- **HC50L 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



OMEGA500 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 HC50L 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	



[01]

Extension Cord Cinch-Cinch, 2m [01]	C-000.33.510
Connecting Cord UNPLUGGED-Cinch to EN50 charger/mPack/plug-in transformer for HC50L, 1,6m [02]	X-000.99.667
HC50L Headband Rheostat (without plug-in transformer)	X-095.16.325
Plug-in transformer for HC50L Headband Rheostat	X-095.16.330
Teaching mirror [03]	C-000.33.209



[02]



[03]

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HEINE OMEGA® 500 Kits


[01]

[02]

XHL OMEGA 500 LED Conversion Kits.
With these kits, a XHL illumination OMEGA 500 can be converted to LED illumination.

Upgrade-Kits OMEGA 500	LED – 6 V
Upgrade-Kit OMEGA 500 with LED-module [01] and HC 50 L [02]	**X-008.16.325**
LED-module for OMEGA 500 [01]	**X-008.87.200**

OMEGA 500 Kits
Recommended Product Order Configurations to ensure the most flexibility the OMEGA 500 / EN 50 System has to offer. The following kits include main system elements but no carrying cases or ancillary accessories.


[01]

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

HEINE OMEGA® 500 Sets



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

OMEGA 500 Sets	XHL – 6 V	LED – 6 V
HC 50 L Headband Rheostat with plug-in transformer (incl. Connecting Cord UNPLUGGED-Cinch)	**C-283.40.320**	**C-283.41.320**
EN 50-m Charger with mPack, HC 50 L Headband Rheostat (incl. Connecting Cord UNPLUGGED-Cinch, 90° Angled Adaptor, 2 m Extension Cord Cinch-Cinch, Instrument Support	**C-283.40.302**	
mPack with plug-in transformer, HC 50 L Headband Rheostat (incl. Connecting Cord UNPLUGGED-Cinch, 90° Angled Adaptor)	**C-283.40.670**	**C-283.41.670**

For information on HEINE power sources see pages 124 – 133.

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HEINE OMEGA® 500 UNPLUGGED

with headband battery mPack UNPLUGGED



100 % freedom of movement – no cable connections!
The OMEGA 500 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. UL-compliant.
- **System compatibility** with mPack for even greater capacity.

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



	OMEGA 500 UNPLUGGED Kits	XHL – 6V	LED – 6V
	Consists of OMEGA 500, HC 50 L Headband Rheostat, without case:		
	Kit 5: with plug-in Transformer UNPLUGGED, 1 x mPack UNPLUGGED	C-004.33.541	C-008.33.535
	Kit 6: with Wall unit EN 50 UNPLUGGED charger, 2 x mPack UNPLUGGED	C-004.33.542	C-008.33.536
NEW!	**Kit 7:** with Wall unit EN 50 UNPLUGGED charger, 1 x mPack UNPLUGGED		C-008.33.537
	XHL Xenon Halogen Spare bulb 6V, 5W, standard	X-004.88.111	
	Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2 m		X-000.99.668

HEINE OMEGA® 500 UNPLUGGED Set



Set complete with **OMEGA 500 UNPLUGGED**, 1 Scleral depressor large, 1 Scleral depressor small, A.R. 20 D 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	C-284.40.670	C-284.41.670

For information on HEINE EN 50 UNPLUGGED and mPack UNPLUGGED see page 131.

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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 OMEGA 2C can be supplied without a camera for users' own C-mount CCD cameras.**



Monitor not included.

Video OMEGA 2C Sets	6 V
Video OMEGA 2C, optics, headband and bulb, A-Cam camera and processor, Video cable, S-VHS cable, EN 50 Transformer with Rheostat Control Module, extension Cord Cinch-Cinch 2 m, large and small scleral depressors, AR 20 D lens, XHL Xenon replacement bulb and carrying case.	**C-175.40.618**
Video OMEGA 2C, optics, headband and bulb, without accessories. Instrument with C-Mount, without A-Cam camera and processor.	**C-004.33.214**
Video OMEGA 2C, optics, headband and bulb, without accessories. Instrument with A-Cam camera and processor.	**C-004.33.212**
A-Cam camera with processor (available systems: PAL or NTSC, please specify when ordering).	**C-000.33.223**
XHL Xenon Halogen spare bulb	**X-004.88.068**

More information available on request.

For information on HEINE power sources see pages 124 – 133.

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HEINE SIGMA® 250 Binocular Indirect Ophthalmoscope

Spectacle-mounted Ophthalmoscope – now in LED HQ

NEW!



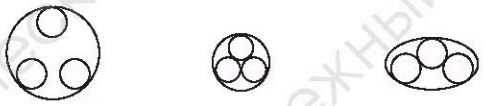
- Ultra light
- For any pupil size
- LED HQ

LED HQ
LED NOW IN HEINE QUALITY.

The spectacle-mounted indirect Ophthalmoscope to suit any pupil size. Two separate controls for selecting the **ideal setting of parallax and convergence guarantee completely illuminated stereo views in pupils up to 2 mm, as well as viewing in the periphery.** The illumination beam can be adjusted by ±3° to eliminate reflexes.

- **Extremely light,** 110 g without frame. Light and comfortable.
- **LED in HQ –** the new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for each individual examination situation.
- **Carbon fiber frame.** Perfect combination of durability and light weight.
- **Illumination beam adjustable ±3°.** Eliminates reflexes.
- **Integrated red-free filter.** Improves contrast.
- **Detachable blue and yellow filters.** For Fluorescence Angioscopy.
- **Large and small apertures.**
- **Dust proof.** Maintenance-free.
- **PD selection from 47 to 72 mm.** Suits any user.
- **Optics on swivel mount.** Unrestricted view.
- **Optional clip-in correction frame** for prescription lenses.
- **mPack LL with Lithium-ion battery technology –** for 23 hours of continuous ON time at full power.

Simplified diagram of various beam configurations:
Large pupil – Small pupil – Peripheral view



HEINE SIGMA® 250 Accessories





Teaching mirror [01]	C-000.33.302
Blue filter [02]	C-000.33.313
Yellow filter [03]	C-000.33.314
Diffusor [04]	C-000.33.315
Case for filters, empty [05]	C-000.33.316
Clip-in correction frame for prescription lenses [06]	C-000.32.309

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HEINE SIGMA® 250 Kits

NEW



LED HQ
LED NOW IN HEINE QUALITY.

SIGMA 250 Kits	Without Power Source	With mPack LL
SIGMA 250 Kit with S-FRAME		
SIGMA 250 S-FRAME Retaining Cord Cleaning Fluid	C-008.33.340	C-008.33.341
SIGMA 250 M2 Kit with S-FRAME and Micro Spot Aperture (instead of small aperture)		
SIGMA 250 M2 S-FRAME Retaining Cord Cleaning Fluid	C-008.33.345	C-008.33.346

HEINE SIGMA® 250 Sets

NEW



LED HQ
LED NOW IN HEINE QUALITY.

SIGMA 250 Sets	With mPack LL
SIGMA 250 Set with S-FRAME	
SIGMA 250 S-FRAME mPack LL with plug-in transformer Scleral Depressor Small Scleral Depressor Large A.R. 20 D Ophthalmology Lens Teaching Mirror Blue and Yellow Filters Diffusor Retaining cord Cleaning Fluid Carrying Case	C-281.41.671
SIGMA 250 M2 Set with S-FRAME	
SIGMA 250 S-FRAME mPack LL with plug-in transformer Scleral Depressor Small Scleral Depressor Large A.R. 20 D Ophthalmology Lens Teaching Mirror Blue and Yellow Filters Diffusor Retaining cord Cleaning Fluid Carrying Case	C-279.41.671

For mPack LL please see pages 132.

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Hand-held Indirect Ophthalmoscope, MONOCULAR

Compact monocular ophthalmoscope



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 accomodation, magnifies the image.
- **Add-on binocular attachment available.** Instrument can be up-dated for binocular use.

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



[01]

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

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

For information on HEINE battery and rechargeable handles, see pages 124 – 129.

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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

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 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

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

Scleral-Depressor



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]



[02]

Combi-case respectively hard 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/Hard case	
Combi-case [01] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284	C-079.03.000
Hard case [02] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284	C-079.00.000

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HEINE Laryngoscopes



	Classic+ Macintosh	Classic+ Miller	Classic+ WIS	Classic+ Paed	Modular+ Macintosh	Modular+ Miller	FlexTip+	XP Macintosh	XP Miller
Size									
00		□							
0	□	□		□		□			□
1	□	□	□	□	□	□		□	□
2	□	□	□		□	□		□	□
3	□	□	□		□	□	□	□	□
3m	□								
4	□	□			□	□	□	□	□
5	□								
Material									
Stainless Steel	□	□	□	□	□	□	□		
SANALON					□				
Polycarbonate/Acryl								□	□
Diameter of HiLite Fiber Bundle in mm	4.3	3.7	3.7	3.6	3.4	3.0	4.3	n/a	n/a
Reusable / Sterilizable	□	□	□	□	□	□	□	⊗	⊗
Sterilisation without disassembly	□	□	□	□			□		
Suitable for low ambient temperatures								□	□
Warranty									
5 years	□	□	□	□	□	□	□	⊗	⊗
4000 Ster. Cycl.	□	□	□	□	□	□	□	⊗	⊗
Page	066	067	067	067	068	069	070	071	071

⊗: Single use only.

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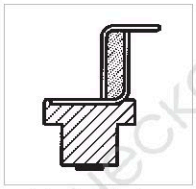
HEINE® Classic+ Macintosh Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance



- **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 3 x 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.
- **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 / 4 min. with more than 1000 lux.

- Easy intubation
- 4000 autoclave cycles
- 5 year warranty


Mac 3 end-view


Mac 3 side-view



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

* stronger curve

For information on HEINE battery and rechargeable handles, see pages 073 – 076.

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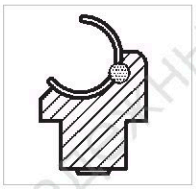
HEINE® Classic+ Miller, WIS and Paed Fiber Optic (F.O.) Blades

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.
- **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 / 4 min. with more than 1000 lux.
- **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants.


Miller 2 end-view


WIS 2 end-view


Paed 1 end-view

- Easy intubation
- 4000 autoclave cycles
- 5 year warranty


Miller 2 side-view


WIS 2 side-view


Paed 1 side-view

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

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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 3 x 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 / 4 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**

For information on HEINE battery and rechargeable handles, see pages 073 – 076.

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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 / 4 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 / 4 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**

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

A useful Tip for a difficult intubation

- Swivelling blade tip
- Clear view
- 5 year warranty

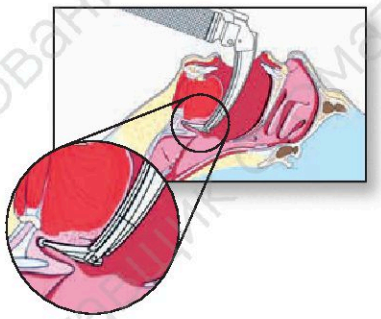
The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.



[01]

- **HEINE HiLite fiber bundle.** With a 4.3 mm 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 3 x 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 / 4 min. with more than 1000 lux.

FlexTip+ F.O. Blade in case	Length	Distal width	
Mac 3 [01]	115 mm	13,2 mm	**F-000.22.313**
Mac 4	137 mm	13,2 mm	**F-000.22.314**
Mac 3 and Mac 4	115 mm / 137 mm	13.2 mm / 13.2 mm	**F-000.22.316**







For information on HEINE battery and rechargeable handles, see pages 073 – 076.

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HEINE® XP Disposable Laryngoscope Blades

Eliminate cross-infection



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:** Highest level of illuminance with HEINE 2.5 V or 3.5 V LED illuminance within laryngoscope insert.
- **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 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]	80 mm	10 mm	F-000.22.771*
Miller 1 [02]	104 mm	10 mm	F-000.22.772*
Miller 2 [03]	155 mm	13 mm	F-000.22.773*
Miller 3 [04]	195 mm	13 mm	F-000.22.774*
Miller 4 [05]	221 mm	14 mm	F-000.22.775*
Mac 1 [06]	90 mm	9 mm	F-000.22.761*
Mac 2 [07]	114 mm	10 mm	F-000.22.762*
Mac 3 [08]	134 mm	14 mm	F-000.22.763*
Mac 4 [09]	154 mm	14 mm	F-000.22.764*

* 25 disposable blades individually packed in Dispenser Box.

For HEINE XP Emergency Set, please see page 081.

Ⓧ: Single use only.

For information on HEINE battery and rechargeable handles, see pages 073 – 076.

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HEINE® XP Disposable Laryngoscope Handle Shell

Eliminates cross-infection

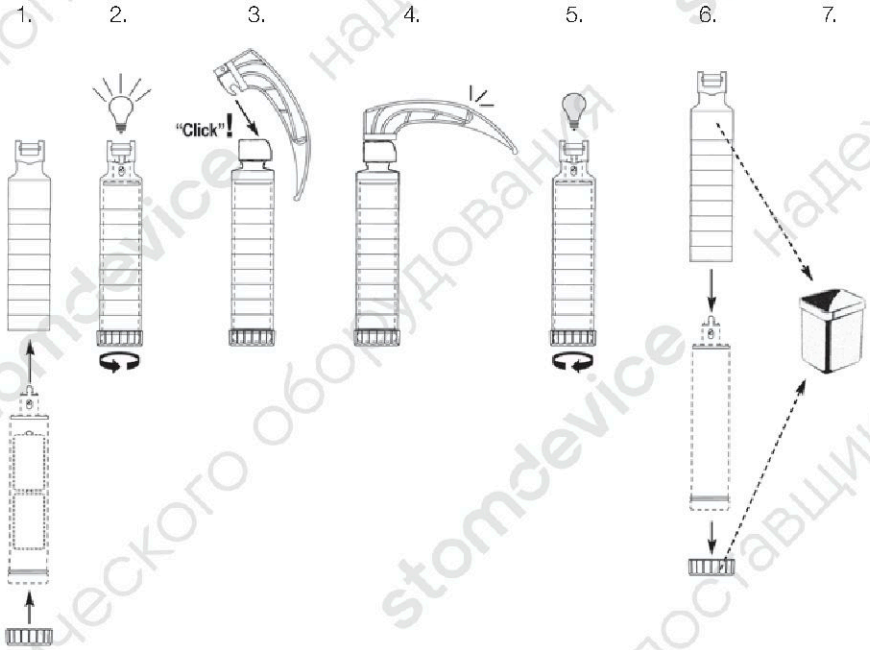


The disposable laryngoscope handle shell with the globally distributed laryngoscope insert is powered by the best-selling battery insert for HEINE F.O. handles. The laryngoscope insert can be removed from the handle shell after intubation without risk of contamination.

XP Disposable Laryngoscope Handle Shell with bottom cap	
without laryngoscope insert, pack of 25	**F-000.22.926**

Standard F.O. Laryngoscope Insert	2.5 V	3.5 V NiMH	3.5 V Li-ion
Laryngoscope 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**

⊗: Single use only.



The XP disposable handle shell was especially designed for use with the 2.5 V and 3.5 V Xenon Halogen HEINE laryngoscope inserts. The HEINE laryngoscope insert is placed inside the disposable handle shell and the light is activated by turning the bottom cap. Following intubation, the user simply unscrews the bottom cap and the laryngoscope insert can be removed with no risk of contamination. The handle shell, the bottom cap and the XP blade are all disposed of.

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

LED HQ
LED NOW IN HEINE QUALITY.



[01] [02]

HEINE Standard F.O. Laryngoscope Handle [01] with handle shell and laryngoscope insert [02] with LED-Technology.

- **LED in HQ:** 3 x brighter than conventional 3.5 V halogen bulbs.
- **Authentic colour rendering:** Colour temperature: typically 5,200 K, Colour Rendering Index > 80. **The ideal light setting for a secure intubation.**
- **Exclusive Fade-Out Function:** The Standard F.O. LED Laryngoscope Handle provides maximum brightness at constant intensity. As soon as the dry cell batteries or the rechargeable battery reach a low level, the LED Laryngoscope Handle electronically releases a visible early indication of low battery status: By gradually reducing brightness (Fade-Out Function), the LED Laryngoscope Handles starts notifying the user to replace batteries or to charge the handle.
- **HEINE Standard F.O. LED handles can be converted from battery to rechargeable specification by exchanging the bottom cap.**
- **Compatible with all Laryngoscope 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.

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



[01] [02]

HEINE Standard F.O. Laryngoscope Handle [01] with handle shell and laryngoscope insert [02] with XHL Xenon Halogen Technology.

- **Lightweight and convenient.**
- The handle **can be powered by either 2.5 V batteries or a 3.5 V 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 Laryngoscope Blades to the ISO 7376 (green standard).**

HEINE® Standard F.O. L Update Option



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.

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HEINE F.O. Laryngoscope Handles

Ordering Information



LED HQ Standard F.O. LED Laryngoscope Handle	2.5 V	3.5 V NiMH	3.5 V Li-ion L
Standard F.O. LED handle, complete [01]	F-008.22.860	F-008.22.863	F-008.22.891
LED Laryngoscope 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	2.5 V	3.5 V NiMH	3.5 V Li-ion L
Standard F.O. handle, compl. [01]	F-001.22.860	F-002.22.863	F-007.22.885
Laryngoscope 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

L: 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 Small and Short LED handles are available as 2.5 V battery version (designation 2.5 V) or as 2.5 V rechargeable version (designation 2.5 V NiMH).



LED HQ Small F.O. LED Laryngoscope Handle	2.5 V	2.5 V NiMH
Small F.O. LED Handle, complete [01]	F-008.22.800	F-008.22.806*
LED Laryngoscope 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 1**000 001.



Small F.O. Laryngoscope Handle	2.5 V	3.5 V NiMH
Small F.O. Handle, complete [01]	F-001.22.800	F-002.22.806
Laryngoscope 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

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HEINE F.O. Laryngoscope Handles

Ordering Information


[01] [02] [03]

LED HQ Short F.O. LED Laryngoscope Handle	2.5V	2.5V NiMH
Short F.O. LED Handle, complete Battery version [01] or rechargeable version [02]	F-008.22.812	F-008.22.414*
Rechargeable battery [03]	–	X-001.99.307*
NT 300 charger only (without handle)	–	X-002.99.495

*only rechargeable with the NT300 recharging station starting with the serial number **SN 101 1**000 001.


[01] [02] [03]

Short F.O. Laryngoscope Handle	2.5V	3.5V NiMH
Short F.O. Handle, complete 2,5V [01] or 3,5V [02]	F-001.22.812	F-002.22.414
Rechargeable battery K3Z [03]	–	X-002.99.393
Spare bulb	X-001.88.035	X-002.88.044
NT 300 charger only (without handle)	–	X-002.99.495

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).


[01] [03] [02] [04]

F.O. Angled Handle	2.5V	3.5V NiMH	3.5V Li-ion L
F.O. Angled Handle, complete [01]	F-001.22.941	F-002.22.942	F-007.22.945
Bottom cap [02] [03]	X-000.99.119	X-002.99.412	
Rechargeable battery [04]	–	X-002.99.382	
Spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
NT 300 charger, only (without handle)	–	X-002.99.495	X-002.99.495

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


[01]

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

HEINE® NT 300 Table Charger and Adaptors


[01]

All rechargeable HEINE F.O. Laryngoscope Handles can be charged in the HEINE NT 300 table charger as well as HEINE NT 200 table charger). Exceptions are the rechargeable versions of the Short and the Small F.O. LED Handles.* Some require the use of an adaptor. For detailed information about the NT 300 table charging station and adaptors please see page 127.

NT300 table charger	
without handle, with adaptors for Standard F.O. Laryngoscope insert, F.O. Angled Handle and Short F.O. Laryngoscope Handle	X-002.99.495
Set of two adaptors for Small F.O. Laryng. Rechargeable Handle [01]	X-000.99.086

*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 1**000 001 are compatible.

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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 L
with Standard F.O. Battery Handle	**F-119.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-119.20.865**	
(L) with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-119.29.865**



As above, but with LED illumination, without spare bulb

LED HQ Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	**F-119.18.860**		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		**F-119.28.865**	
(L) with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-119.98.865**



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 L
with Standard F.O. Battery Handle	**F-120.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-120.20.865**	
(L) with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-120.29.865**



As above, but with LED illumination, without spare bulb

LED HQ Classic+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	**F-120.18.860**		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		**F-120.28.865**	
(L) with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-120.98.865**

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

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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 Li-ion L
with Standard F.O. Battery Handle	**F-227.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-227.20.865**	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-227.29.865**



As above, but with LED illumination, without spare bulb

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



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 Li-ion L
with Standard F.O. Battery Handle	**F-229.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-229.20.865**	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-229.29.865**



As above, but with LED illumination, without spare bulb

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

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.

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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 Li-ion L
with Standard F.O. Battery Handle	**F-230.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-230.20.865**	
(L) with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-230.29.865**



As above, but with LED illumination, without spare bulb

LED HQ FlexTip+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	**F-230.18.860**		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		**F-230.28.865**	
(L) with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-230.98.865**

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

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

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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 L
with Standard F.O. Battery Handle	**F-228.10.860**		
with Standard F.O. Rechargeable Handle with NiMH Battery and NT 300 charger		**F-228.20.865**	
with Standard F.O. L Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-228.29.865**



As above, but with LED illumination, without spare bulb

LED HQ Modular+ Sets	2.5V	3.5V NiMH	3.5V Li-ion L
with Standard F.O. LED Battery Handle	**F-228.18.860**		
with Standard F.O. LED Rechargeable Handle with NiMH Battery and NT 300 charger		**F-228.28.865**	
with Standard F.O. L LED Rechargeable Handle with Li-ion L Battery and NT 300 charger			**F-228.98.865**

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

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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.

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

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

*25 disposable blades ⓧ individually packed in Dispenser Box.

XP Emergency Set Accessories	2.5 V
F.O. SP Laryngoscope Handle 2.5 V, with bulb	**F-001.22.815**
XHL Xenon Halogen spare bulb for F.O. SP Handle	**X-001.88.035**
Refill assortment of 5 XP Blades, Miller 0, 1, Mac 2, 3, 4 (one each, 5 pieces in total)	**F-000.22.740**

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HEINE DELTA® 20 Plus Dermatoscope

with LED Illumination in HEINE Quality – LED HQ

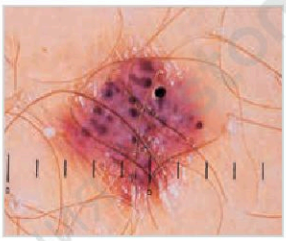
LED NOW IN HEINE QUALITY.



- 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 homogeneous and bright illumination with excellent colour rendering (Colour rendering index CRI > 87). 2 of the LEDs can optionally be switched off for lateral illumination.
- **High-resolution optics with achromatic lens system.** 10x to 16x magnification, distorsion-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.
- **Optional: SLR photo adaptor for digital photography in brilliant quality.**



DELTA 20 Plus Dermatoscope Head	2.5V/3.5V LED
with contact plate P polarisation 23 mm dia. with scale and dermatoscopy compendium, without handle	K-008.34.212
with contact plate P polarisation 23 mm dia. without scale and dermatoscopy compendium, without handle	K-008.34.213
with contact plate N immersion 23 mm dia. with scale and dermatoscopy compendium, without handle	K-008.34.214
with contact plate N immersion 23 mm dia. without scale and dermatoscopy compendium, without handle	K-008.34.215
DELTA 20 Plus Dermatoscope Head without contact plate	K-008.34.210

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HEINE DELTA® 20 Plus Dermatoscope Sets

LED NOW IN HEINE QUALITY.



Set complete with: **DELTA 20 Plus Dermatoscope**
contact plate for polarisation P 23 mm dia. with scale
dermatoscopy compendium
hard case

DELTA 20 Plus P Sets for polarisation	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**K-258.10.118**		
BETA R rechargeable handle for mains socket		**K-258.20.376**	**K-258.27.376**
BETA NT rechargeable handle with NT 300 charger		**K-258.20.420**	
BETA L rechargeable handle and NT 300 charger			**K-258.29.420**



Set complete with: **DELTA 20 Plus Dermatoscope**
contact plate for immersion N 23 mm dia. with scale
10 ml dermatoscopy oil
dermatoscopy compendium
hard case

DELTA 20 Plus N Sets for immersion	2.5 V	3.5 V NiMH	3.5 V Li-ion
BETA battery handle	**K-257.10.118**		
BETA R rechargeable handle for mains socket		**K-257.20.376**	**K-257.27.376**
BETA NT rechargeable handle with NT 300 charger		**K-257.20.420**	
BETA L rechargeable handle and NT 300 charger			**K-257.29.420**



Set complete with: **DELTA 20 Plus Dermatoscope**
contact plate for immersion N 23 mm dia. with scale
contact plate for polarisation P 23 mm dia. with scale
dermatoscopy compendium
hard case

DELTA 20 Plus Sets (polarisation + immersion)	2.5 V	3.5 V NiMH	3.5 V Li-ion
Set C: BETA battery handle	**K-260.10.118**		
Set B: BETA R rechargeable handle for mains socket		**K-260.20.376**	
Set A: BETA L rechargeable handle and NT 300 charger and small contact plate, 8 mm dia.			**K-259.29.420**

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

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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Accessories

for the DELTA20 Plus Dermatoscope



Contact plates for DELTA20 Plus	
Polarisation (P) 23mm dia. with scale [01]	K-000.34.212
Polarisation (P) 23mm dia. without scale [01]	K-000.34.213
Immersion (N) 23mm dia. with scale [02]	K-000.34.214
Immersion (N) 23mm dia. without scale [02]	K-000.34.215
Small contact plate, 8mm dia. [03] for the examination of inaccessible lesions	K-000.34.205



Dermatoscopy oil	
(pack of 6x 10ml) [03]. Reduces reflexes on the outer layers of skin.	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	
(1.3m) 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

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HEINE® NC1 Dermatoscope

Non-Contact Dermatoscope with LED HQ

NEW



LED HQ
LED NOW IN HEINE QUALITY.

- Non-contact examination
- LED in HQ
- Optional contact plate

Speed and diagnostic accuracy for the daily demands of a busy practice.

- **Polarised Illumination** for detailed views of the crystalline and vascular structures without any need for contact liquids.
- **Precision HEINE Optics with 6x magnification –** High-quality, achromatic optical system provides unmatched sharpness and resolution.
- **LED in HQ –** the new standard in LED illumination defines optimal light intensity, homogeneity and colour rendering. Colour temperature: 5,000 K, Colour Rendering Index (CRI) >80, special index for red colours (R9) >35 on a maximum scale of 100. This ensures true tissue colour for the most accurate diagnosis.
- **Optional contact plate with additional magnification.** Adding the optional contact plate transforms the NC1 to a traditional contact dermatoscope with increased magnification (9x) and a scale. The speed and ease of use of a non-contact dermatoscope combined with the detail and precision of a contact device, all in one instrument!

NC1 Dermatoscope	2.5 V
NC1 Dermatoscope head, **without handle**	**D-008.78.130**
with mini 3000 battery handle (with batteries)	**D-008.78.132**
with mini 3000 rechargeable handle (with rechargeable battery)	**D-008.78.133**
with contact plate, mini 3000 battery handle (with batteries)	**D-008.78.134**
with contact plate, mini 3000 rechargeable handle (with rechargeable battery)	**D-008.78.135**
Contact plate with scale	**D-000.78.115**

HEINE® NC1 Dermatoscope Sets

NEW



NC1 Dermatoscope and mini 3000 LED F.O. Otoscope Set with rechargeable handles	2.5 V
NC1 Dermatoscope head with contact plate with scale, mini 3000 LED F.O. Otoscope head, 2 mini 3000 rechargeable handles (with rechargeable batteries), mini NT Charger	**D-890.11.022**



NC1 Dermatoscope and mini 3000 LED F.O. Otoscope Set with battery handles	2.5 V
NC1 Dermatoscope head without contact plate, mini 3000 LED F.O. Otoscope head, 2 mini 3000 battery handles (with batteries), 5 each of 2.5 mm and 4 mm dia. AllSpec disposable tips (B-000.11.119), Zipper case	**D-891.11.021**

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® 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, 10 x magnification with focusing optics, metal instrument head. Can be used with the mini 3000 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.**
- **Different 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	2.5 V
with contact plate, mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	D-001.78.107
with contact plate **with scale,** mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	D-001.78.109
with contact plate, without handle	D-001.78.106
with contact plate **with scale,** without handle	D-001.78.108

XHL Xenon Halogen spare bulb	X-001.88.109



*To upgrade to a rechargeable instrument, with mini NT table charger, please see page 128.

For information on HEINE battery and rechargeable handles see pages 124 – 129.

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HEINE mini 3000® LED Dermatoscope

with LED Illumination in HEINE Quality – LED HQ

LED NOW IN HEINE QUALITY.



- 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 mini 3000 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 4000 K, 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.

mini 3000 LED Dermatoscope	2,5 V
with contact plate, mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	D-008.78.107
with contact plate **with scale,** mini 3000 battery handle with batteries and 10 ml dermatoscopy oil	D-008.78.109
with contact plate, without handle	D-008.78.106
with contact plate **with scale,** without handle	D-008.78.108

HEINE mini 3000® LED Dermatoscope Set

LED NOW IN HEINE QUALITY.



mini 3000 LED Dermatoscope Set with contact plate without scale	2,5 V
mini 3000 LED Dermatoscope with contact plate without scale, 10 ml dermatoscopy oil, mini 3000 Battery handle with batteries, zipper case	D-887.78.021



mini 3000 LED Dermatoscope Set with contact plate with scale	2,5 V
mini 3000 LED Dermatoscope with contact plate with scale, 10 ml dermatoscopy oil, mini 3000 Battery handle with batteries, zipper case	D-888.78.021

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Accessories

for mini 3000 LED Dermatoscope and mini 3000 Dermatoscope


[01]


[02]

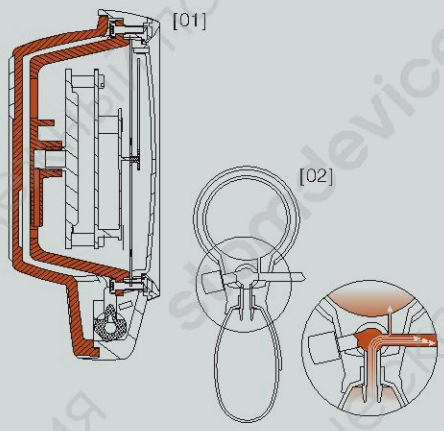

[03]

Contact plates	
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

Dermatoscopy oil	
(pack of 6 x 10 ml) [03]. Reduces reflexes on the outer layers of skin.	K-000.34.005

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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 the air flow to the manometer during inflation. This advantage was only possible until now with twin-tube systems.

CLINICAL APPROVAL

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.** 56 mm 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** with a shock absorbing ring protecting indicator and glass.
- **Lower housing is moulded of shockproof plastic** with 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 design, materials 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

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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 shockproof plastic** with shock absorbing, anti-slip coating.
- **Adjustable Spoon (Polyamid Thermo Plastic).** For both right or left-handed operation.
- **5 year warranty.***

*against defects in design, materials and workmanship for a period of 5 years from the date of purchase.

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

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 design, materials and workmanship for a period of 5 years from the date of purchase.

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

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HEINE GAMMA® XXL LF

The top-quality professional model


[01]

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

- **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 (3 m).** For increased working distance.
- **High Quality Indicator.** Precisely-calibrated and durable.
- **Precision Air-Release Valve.** Fine and precise air release.
- **Maintenance-free,** precise and durable manometer.
- **Mercury-free.** Environmentally friendly.
- **Wall, Desk, Rail and Wheeled Stand.** Adjustable height.
- **10 year warranty.***

*against defects in design, materials and workmanship for a period of 10 years from the date of purchase.

- Oversized scale
- Latex-Free
- 10 year warranty


[03]


[04]


[02]

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

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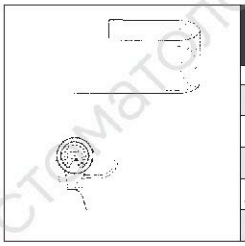
Blood-pressure cuffs and accessories

Latex-free blood-pressure cuffs

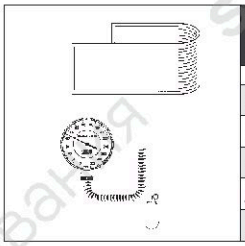


Cuffs for GAMMA G7/G5/GP/XXL LF sphygmomanometers.

- **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.) Size	Circumference/cm		Single-tube bladders Size		Outer cuffs Size	
Small child	6x28	8–13	M-000.09.700	5x15	M-000.09.661	6x28	M-000.09.059
Child	10x34	13–20	M-000.09.702	8x20	M-000.09.663	10x34	M-000.09.060
Small adult	14x53	20–29	M-000.09.704	11x23	M-000.09.664	14x53	M-000.09.061
Adult	14x58	29–41	M-000.09.619	12x28	M-000.09.665	14x58	M-000.09.055
Large adult	20x86	>41	M-000.09.615	18x52	M-000.09.667	20x86	M-000.09.057



GAMMA XXL LF	Twin-tube cuffs (cpl.) Size	Circumference/cm		Twin-tube bladders Size		Outer cuffs Size	
Small child	6x28	8–13	M-000.09.701	5x15	M-000.09.671	6x28	M-000.09.059
Child	10x34	13–20	M-000.09.703	8x20	M-000.09.673	10x34	M-000.09.060
small adult	14x53	20–29	M-000.09.705	11x23	M-000.09.674	14x53	M-000.09.061
Adult	14x58	29–41	M-000.09.629	12x28	M-000.09.675	14x58	M-000.09.055
Large adult	20x86	>41	M-000.09.625	18x52	M-000.09.677	20x86	M-000.09.057

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HEINE GAMMA® STETHOSCOPES

- **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® C 3 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 C 3	**M-000.09.944**

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Instrument head for HEINE UniSpec® tubes



[01]



[02]

[03]

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

- **Annular Fiber Optic illumination.** Bright, reflex-free illumination.
- **Magnifying lens 1.5 x.** 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 1,5 x [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 1.5 x, only (for sigmoidoscopes) [03]	**E-003.18.096**
same, but 1.8 x (only suitable for proctoscopes and anoscopes)	**E-003.19.099**

HEINE UniSpec® Disposable Tubes



85 x 20 mm 130 x 20 mm 250 x 20 mm

- **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.

For information on HEINE lamp handle, F.O. projector and F.O. cable see pages 129 and 142.

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HEINE Anoscope / Proctoscope illumination head


[01]

One single illumination head for all the tubes shown on this page.
For 2.5 V or 3.5 V 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 2 x magnification.** High-resolution image.
- **Smooth, rounded surface.** Easy to clean. F.O. version can be cleaned with conventional disinfectants.

Illumination head	2.5 V	3.5 V	F.O.
complete with swivel lens and viewing window [01]	**E-001.19.101**	**E-002.19.101**	**E-003.19.120**
Illumination head without accessories	**E-001.19.102**	**E-002.19.102**	**E-003.19.121**
XHL Xenon Halogen spare bulb	**X-001.88.040**	**X-002.88.051**	


[02]


[03]

Swivel lens, only [02]	**E-000.19.103**
Viewing window, only [03]	**E-000.19.104**

Tubes with straight direction of view


60 x 22 mm

120 x 22 mm

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.

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

Tubes with 90° direction of view (Blond)


100 x 20 mm

130 x 25 mm

Proctoscope with proximal illumination.

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

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

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HEINE F.O. Anoscopes with annular Fiber Optic illumination



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

- **Three different diameters: 15mm, 20mm and 25mm.** 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.
70x25mm dia., complete with obturator	**E-003.19.325**
70x20mm dia., complete with obturator	**E-003.19.320**
70x15mm dia., complete with obturator	**E-003.19.315**

HEINE F.O. Proctoscopes 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).

- **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.
130x20mm 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 1.8x, only [05]	**E-003.19.099**

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HEINE F.O. Sigmoidoscopes with distal annular illumination



300x20mm 250x16mm 200x11,4mm

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: 300x20mm, 250x20mm, 200x20mm, 250x16mm, 200x11.4mm.** 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.
300x20mm dia. with obturator, viewing window, swivel lens and end-piece	**E-003.18.230**
End-piece, only	**E-003.18.095**
250x20mm dia. with obturator, viewing window, swivel lens and end-piece	**E-003.18.225**
End-piece, only	**E-003.18.095**
200x20mm dia. with obturator, viewing window, swivel lens and end-piece	**E-003.18.220**
End-piece, only	**E-003.18.095**
250x16mm dia. with obturator, viewing window, swivel lens and end-piece	**E-003.18.525**
End-piece, only	**E-003.18.088**
200x11.4mm dia. with obturator, viewing window and swivel lens	**E-003.18.240**
End-piece, only	**E-003.18.094**



[01]

[02]

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

For information on HEINE lamp handle, F.O. projector and F.O. cable see pages 129 and 142.

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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 anoscopes, 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 400 mm working length	**E-000.18.906**

HEINE Illumination adaptor



Can be attached to any HEINE 3.5 V power source to illuminate any HEINE fiber optics instrument, e.g. anoscope, proctoscope or sigmoidoscope.

Illumination adaptor	3.5 V
Illumination adaptor	**X-002.98.002**
XHL Xenon Halogen spare bulb	**X-002.88.078**

For information on HEINE lamp handle, F.O. projector and F.O. cable see pages 129 and 142.

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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 1.5 x.
Pack of 25 UniSpec Anoscope Tubes 85 mm
Plug-in transformer E7 with lamp handle

Anoscope instrument kit ATE	6 V
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 1.5 x.
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

Sigmoidoscope / Proctoscope kit RTE	6 V
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**

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

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Sigmoidoscope/Proctoscope Kit RE 7000



This kit is similar to RTE but features even better illumination by Fiber Optic Projector HK7000.

Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x
Pack of 25 UniSpec Sigmoidoscope Tubes 250mm
Pack of 25 UniSpec Proctoscope Tubes 130mm
Pack of 25 UniSpec Anoscope Tubes 85mm
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**

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

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HEINE EL 10 LED® Examination Light

with LED Illumination in HEINE Quality – LED^{HQ}

LED NOW IN HEINE QUALITY.



The EL10 LED examination light distinguishes itself through an absolutely homogeneous field of light. The light intensity can be regulated continuously between 6,500 and 45,000 Lux. The spot size can be adjusted in a diameter between 8.5 and 14 cm to suit any situation. Both at a working distance of 30 cm.
Controls with ergonomic grip allow for intuitive and fast adjustment of brightness and spot size. The compact illumination head (Ø approx. 60 mm) allows an almost coaxial illumination, particularly in difficult application situations.

- **Bright and homogeneous.** Perfect illumination in every examination situation.
- **LED in HQ.** 10 Watt high performance LED with authentic colour rendering (Colour temperature typ. 3,000 Kelvin, CRI >85).
- **3 different mounting options.** Wall mounting, clamp for table-top mounting or on a wheeled stand.
- **Solid construction.** Reliable operation and illumination power for many years.
- **Hygiene.** Easy and efficient cleaning and disinfection.
- **Coiled goose neck.** Easy and intuitive adjustment.
- **An electrical control system** monitors all functions and guarantees safety.

- Continous adjustment
- One-hand operation
- Compact design

EL 10 LED Examination Light	LED
with wall mount [01]	J-008.27.001
with clamp for table-top mounting [02]	J-008.27.002
with wheeled stand, metal base [03]	J-008.27.003

Clamp for table-top mounting for EL10 LED	J-000.27.013
Wheeled stand, metal base with mount for EL10 LED	Y-096.50.010
Mount for wheeled stand	J-000.27.014





[01]



[02]



[03]

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HEINE® HL 5000 Examination Light

Powerful Universal Halogen Light



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

- **Long-lasting 12 V/50 W halogen bulb gives up to 120,000 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 goose neck 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.

- Two flexible sections
- Exceptionally-high light output
- Up to 120,000 Lux at 30 cm

HL5000 Examination Light	12 V/50 W
with wall mount [01]	J-005.27.102
with clamp for table-top mounting [02]	J-005.27.104
with wheeled stand, metal base [03]	J-005.27.106
with lightweight wheeled stand, polycarbonat base [04]	J-005.27.108
Halogen spare bulb 12 V/50 W [05]	J-005.27.111





[01]



[02]



[03]



[04]



[05]

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HEINE® HL 1200 Examination Light



- Two flexible sections
- Ultra-slim head
- Up to 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.
- **3 different mounting options: wall, table or wheeled stand.** Versatile.
- **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.
- **Long-life 12 V/20 W lamp.** 4000 hours bulb life.
- **Up to 90,000 Lux light output at 30 cm.** Bright, white light.

HL 1200 Examination Light, 12 V/20 W	black	white
with wall-mounting clamp, can also be fitted to wheeled stand [01]	J-005.27.052	J-005.27.054
with clamp for table-top mounting [02]	J-005.27.056	J-005.27.058
with wheeled stand, metal base [03]	J-005.27.068	J-005.27.067
with lightweight wheeled stand, polycarbonate base [04]	J-005.27.078	J-005.27.077

Halogen spare bulb 12 V/20 W [05]	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





[01]



[02]



[03]



[04]



[05]

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

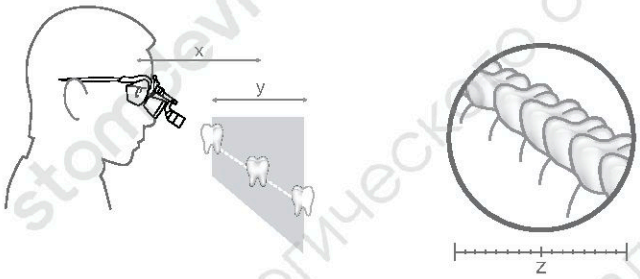
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Various magnifications (from 2.3x to 6x), working distances, wearing modes (unique S-FRAME, Lightweight Headband and Headband Professional L) and LED LoupeLight illumination systems are available. They provide homogeneous, reflex-free illumination even in deep cavities. State-of-the-art LED HQ 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.

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.

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.

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HEINE Binocular Loupes

	HR	HRP	C
			
Magnification			
2.3x			□
2.5x	□		
3.5x		□	
4x		□	
6x		□	
Working distance			
250mm (with close-up lenses)	□	—	—
340mm	□	□	□
420mm	□	□	—
450mm	—	—	□
520mm	□	—	—
Mounting options			
S-FRAME 	□	□	—
Lightweight Headband 	—	—	□
Professional Headband 	□	□	—
Simple Metal Frame 	—	—	□
Accessories			
Close-up Lenses*	□ (for 340mm)	—	—
Protective Lenses	□	□	□
NEW! **LED LoupeLight (Pages 113/114)** 	□	□	—
Features			
i-View Function**	□	□	—
Modular	□	□	—
Water-resistant	□	□	—
Achromatic Optics	□	□	—
Optional Prescription Correction	□	□	—
Page	106 – 107	108 – 109	110

* 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.

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HEINE® HR 2.5 x High Resolution Binocular Loupes

with i-View loupe mount



HR 2.5 x 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.

- Multi-coated Achromatic Optics
- Exceptional Focal Range
- Crisp, High-Resolution Image
- Unique i-View Loupe Mount

HR 2.5 x 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.**

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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
Set A: 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
Set 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
Set C (without S-GUARD): 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 and LED LoupeLight see pages 112 – 114.

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HEINE® HRP High Resolution Prismatic Binocular Loupes

with i-View loupe mount



- Multi-coated Achromatic Optics
- Prismatic for highest magnification
- Crisp, High-Resolution Image
- Unique i-View Loupe Mount

HRP Optics with i-View

- **Achromatic optics** for crisp, bright images from edge-to-edge.
- **Lightweight** (85 g).
- **Water-resistant.**
- **Independent adjustment** of left and right optics for perfect PD adjustment.
- **Highest magnification:** Choice of 3.5 x, 4 x and 6 x.
- **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LED LoupeLight.

HRP Specifications

Working distance in mm	HRP 3.5 x / 420	HRP 4 x / 340	HRP 6 x / 340
Field of view in mm	65	50	40
Depth of field in mm	60	40	30

Mounting Options:



Optional clip-in correction frame

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.**

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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 3.5 x/420	HRP 4 x/340	HRP 6 x/340
Set A: 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
Set 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
Set C (without S-GUARD): 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 and LED LoupeLight see pages 112 – 114.

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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 46 g.** 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.** 340 mm or 450 mm (13 or 18 inches).
- Also available as C 2.3 K on Lightweight Headband.



C 2.3 K

Specifications	C 2.3 x/**340 mm**	C 2.3 x/**450 mm**
Magnification	2.3 x	2.3 x
Working distance	340 mm	450 mm
Field of view dia.	110 mm	130 mm
Weight	46 g	46 g
Depth of Field	120 mm	190 mm

User's refractive error	Effective working distance C 2.3 x/**340 mm**	Effective working distance C 2.3 x/**450 mm**
+2	440 mm	670 mm
+1	390 mm	560 mm
0	340 mm	450 mm
–1	300 mm	420 mm
–2	270 mm	370 mm

Important information for those who wear glasses:
The C 2.3 K 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 2.3 K 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 2.3 K / 340 Headband Loupe in case	**C-000.32.230**
C 2.3 K / 450 Headband Loupe in case	**C-000.32.231**

Accessories



C 2.3 / C 2.3 K 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 2.3 K. To protect the optics. Can be sterilized by conventional methods.	**C-000.32.097**

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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 2.5 x	C-000.32.595	C-000.32.596	C-000.32.597
HRP 3.5 x		C-000.32.720	
HRP 4 x	C-000.32.721		
HRP 6 x	C-000.32.722		



Optics with i-View and S-GUARD for Professional L Headband			
Working distance in mm	340 mm	420 mm	520 mm
HR 2.5 x	C-000.32.585	C-000.32.586	C-000.32.587
HRP 3.5 x		C-000.32.710	
HRP 4 x	C-000.32.711		
HRP 6 x	C-000.32.712		



Optics with i-View for Professional L Headband (without S-GUARD)			
Working distance in mm	340 mm	420 mm	520 mm
HR 2.5 x	C-000.32.733	C-000.32.734	C-000.32.735
HRP 3.5 x		C-000.32.736	
HRP 4 x	C-000.32.737		
HRP 6 x	C-000.32.738		

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HEINE Binocular Loupes Accessories

Ordering Information



Mounting options	
S-FRAME*	
For **HR and HRP** Binocular Loupes incl. retaining cord and cleaning fluid	**C-000.32.302**

* with protective lenses, large (lg).

Professional L Headband	
For **HR** and **HRP** optics	**C-000.32.549**



Accessories for optics	
HR Close-up Lenses in case HR 2.5x/340mm to 250mm. The close-up lenses reduce the working distance of the binocular loupes.	
Close-up Lenses for **HR 2.5x**/340mm optics	**C-000.32.523**



[01] [02]

Protective Lenses To protect the optics of the **HR and the HRP** loupes	
Protective Lenses for **HR** loupes (5 pairs) [01]	**C-000.32.537**
Protective Lenses for **HRP** loupes [02]	**C-000.32.027**



Sterilisable Swivel Levers	
For **HR and HRP** loupes with i-View	**C-000.32.551**



Carrying Case	
For Binocular Loupe optics or for all sets with S-FRAME	**C-000.32.552**

Accessories for S-FRAME	
S-FRAME retaining cord	**C-000.32.305**



S-FRAME replacement part set	
with side rubbers, nose pad (1 piece) and screw	**C-000.32.308**



Clip-in correction frame	
for prescription lenses	**C-000.32.309**



Protective lenses, large (lg), 1 pair (Standard)	**C-000.32.306**



Protective lenses, small (sm), 1 pair	**C-000.32.307**

Cleaning fluid for lenses, pack of 2	**C-000.32.542**

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HEINE® LED LoupeLight

Compact LED LoupeLight – now in LED HQ

NEW



LED HQ
LED NOW IN HEINE QUALITY.

- **LED in HQ –** the new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for each individual examination situation.
- **Compact, lightweight (24 g).** Ensures perfect comfort.
- **Aluminium Housing.** Exclusive aluminum housing protects the optics against dust and moisture to ensure an extraordinary long lifespan.
- **Coaxial Illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Individual adjustment of the angle of view.** The right angle for every situation.
- **Optional Filter.** Polarisation filter P2 improves contrast and yellow filter reduces blue light.

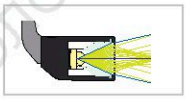
Technical Specification

Illumination	Up to **40,000 Lux** at a working distance of 250 mm
Colour Temperature	**4,500 Kelvin**
LED Operating Life	Up to **50,000 hours**
Spot Size	The illuminated field is designed to complement the HR/ HRP loupes. **81 mm dia. at 420 mm, 95 mm dia. at 520 mm working distance**
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	**17 hours** continuous ON time at full power with mPack LL

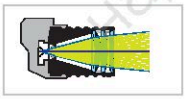
- Compact and Lightweight
- Coaxial Illumination
- Up to 40.000 Lux/250 mm distance

- **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous illumination of the whole field of view and a clearly defined light spot.





Conventional System [01]



HEINE Precision Lens System [02]

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 of continuous ON time at full power.
- **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 EN 50 table/wall unit please see page 133.

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HEINE® LED LoupeLight and Accessories

Ordering Information



LED LoupeLight	
LED LoupeLight for HR/HRP Loupes with i-View loupe mount [01]	C-008.32.246
Detachable Yellow Filter [02]	C-000.32.241
NEW: Polarisation filter P2 for LED LoupeLight and HR Loupes [03] + [04]	C-000.32.535
NEW: Spare polarisation filter P2 for HR Loupes (2 pairs) [04]	C-000.32.536

LED LoupeLight with Power Source for i-View loupe mount (HR / HRP)	
LED LoupeLight with mPack LL and EN 50 [05]	C-008.32.261
LED LoupeLight with mPack LL and plug-in transformer [06]	C-008.32.264

HEINE® LED LoupeLight Sets

with plug-in transformer



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 LED LoupeLight Detachable Yellow Filter mPack LL with plug-in transformer Protective lenses 2 sterilisable levers Retaining cord Cleaning fluid Cleaning cloth Carrying case	C-008.32.440	C-008.32.441	C-008.32.442



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 LED LoupeLight Detachable Yellow Filter mPack LL with plug-in transformer Protective lenses 2 sterilisable levers Retaining cord Cleaning fluid Cleaning cloth Carrying case	C-008.32.443	C-008.32.444	C-008.32.445

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HEINE Headlights

	LED MicroLight	ML 4 LED HeadLight	MD 1000 Headlight
	NEW!	NEW!	
			
Technical Data			
Type of Light	LED	LED	F.O.
Light Intensity (at 250 mm working distance)	**Up to 40,000 Lux**	**Up to 50,000 Lux**	**Up to 35,000 Lux** with HK 7000 Projector
Colour Temperature (Kelvin)	**4,500 K**	**4,500 K**	**3,300 K** with HK 7000 Projector
Spot Size (at 420 mm working distance)	**81 mm**	**30 – 80 mm**	**40 – 150 mm**
Power Sources / operating time	mPack LL **17 hours**	mPack UNPLUGGED **3.5 hours** mPack **8.5 hours**	F.O. Projector
Weight	**50 g** with S-FRAME **165 g** with Lightweight Headband	**260 g** **460 g** with mPack UNPLUGGED	**435 g**
Angle of Declination	Fully-adjustable	Fully-adjustable	Fully-adjustable
Light Intensity Control	**0 – 100 %**	**0 – 100 %**	**0 – 100 %**
Features			
Adjustable Spot Size	–	□	□
Waterproof	□	–	–
Optional Yellow Filter	□	□	–
Polarisation Filter	–	□	–
Expandable with HR and HRP Loupes	–	□	□
Optional Video Version	–	□	–
Head-worn	□	□	□
Spectacle-worn	□	–	–
Page	116 – 117	118 – 122	123

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HEINE® LED MicroLight

Ultralight Universal Headlight – now with LED^{HQ}

NEW!



LED HQ
LED NOW IN HEINE QUALITY.

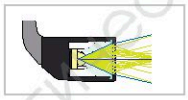
- Compact and Lightweight
- Coaxial Illumination
- Up to 40,000 Lux/250 mm distance

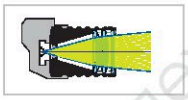
- **LED in HQ –** the new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for each individual examination situation.
- **Compact and lightweight.** Ensures perfect comfort.
- **Aluminium Housing.** Exclusive aluminum housing protects the optics against dust and moisture to ensure an extraordinary long lifespan.
- **Coaxial Illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Homogeneity:** An absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.

Technical Specification

Illumination	Up to **40,000 Lux** at a working distance of 250 mm
Colour Temperature	**4,500 Kelvin**
LED Operating Life	Up to **50,000 hours**
Weight	50 g together with S-FRAME, 165 g together with Lightweight Headband
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	**17 hours** of continuous ON time at full power with mPack LL




Conventional System [01]


HEINE Precision Lens System [02]

- **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous 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 (50 g together with LED MicroLight).
- **Tough polycarbonate protective lenses.**



HEINE® Lightweight Headband

- **Lightweight** (165 g together with LED MicroLight.) Ideal for spectacle wearers.
- **Fully-adjustable for width to fit any head.**
- **Hygienic and comfortable leather cushions.**

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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 of continuous ON time at full power.
- **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 – 240 V Compatible Transformer** incl. 4 plugs for world wide compatibility.



For the optional EN 50 table/wall unit please see page 133.

HEINE® LED MicroLight

Ordering Information



[01]



[02]



[03]

LED MicroLight	
on S-FRAME with mPack LL, plug-in transformer, retaining cord and cleaning fluid in case [01]	J-008.31.270
on Lightweight Headband with mPack LL and plug-in transformer in case [02]	J-008.31.275
Detachable Yellow Filter [03]	C-000.32.241

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HEINE® ML 4 LED HeadLight

Ultra bright coaxial illumination – Now with LED HQ

NEW!



LED HQ
LED NOW IN HEINE QUALITY.

- Comfortable and secure fit
- Adjustable spot size
- Flexible Power Source Options

- **LED in HQ –** the new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for each individual examination situation.
- **Adjustable illumination spot size:** 30 mm to 80 mm spot size range (at 420 mm working distance) to fit any examination situation.
- **Bright and Homogenous Illumination.** Absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- **Stepless light intensity control.** Optimal brightness setting prevents reflexes.
- **Flexibility.** Flexible Power Source Options: 100 % mobility with a choice of cable-free mPack UNPLUGGED head-worn battery or mPack belt-worn battery pack.
- **Coaxial Illumination.** Coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Comfortable and secure fit.** The ML4 Professional headband has multiple adjustment points and soft padding for comfort and stability – even during long examinations.
- **Optional Filters.** Polarisation filter P2 improves contrast and yellow filter reduces blue light.

Technical Specification	
Illumination	Up to **50,000 Lux** at a working distance of 250 mm
Colour Temperature	**4,500 Kelvin**
LED Operating Life	Up to **50,000 hours**
Spot Adjustment	**30 mm to 80 mm** at **420 mm** working distance
Angle of Declination	Stepless and individually adjustable for every examination
Rheostat	Headband-mounted
Operating Time	**8.5 hours** with mPack and **3.5 hours** with mPack UNPLUGGED of continuous ON time at full power

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 8.5 hours of continuous ON time at full power.
- **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:** 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 EN 50 table/wall unit please see page 133.



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 3.5 hours of continuous ON time at full power.
- **Top Safety Standards.** Integrated charge and performance checks during operation. Lithium polymer technology. UL compliant.

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HEINE® ML 4 LED HeadLight

Ordering Information

LED HQ
LED NOW IN HEINE QUALITY.


[01]


[02]


[03]


[04]


[05]


[06]


[07]


[08]


[09]

ML 4 LED HeadLight with Headband Professional L and Power Sources	
ML 4 LED HeadLight without power source [01]	J-008.31.410
ML 4 LED HeadLight with plug-in transformer [01] + [02]	J-008.31.411
ML 4 LED HeadLight with mPack and plug-in transformer [01] + [03]	J-008.31.413
ML 4 LED HeadLight with mPack UNPLUGGED and plug-in transformer UNPLUGGED [01] + [04]	J-008.31.415
ML 4 LED HeadLight with wall mounted EN 50 UNPLUGGED charger and 2 x mPack UNPLUGGED [01] + [05]	J-008.31.416

ML 4 LED HeadLight accessories	
Detachable Yellow Filter [06]	J-000.31.321
Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2 m [07]	X-000.99.668
NEW: Polarisation filter P2 for ML 4 LED and HR Loupes [08] + [09]	J-000.31.326
NEW: Spare polarisation filter P2 for HR Loupes (2 pairs) [09]	C-000.32.536

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HEINE® ML 4 LED HeadLight with HR/HRP Optics

LED NOW IN HEINE QUALITY.

The ML4 LED HeadLight is optionally supplied with HR/HRP Binocular Loupes incl. i-View loupe mount and with or without 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 for ML 4 LED HeadLight:** Provides any angle of view and flips up the optics independently of the illumination beam.



[01] [02]

ML 4 LED HeadLight Kits **with** S-GUARD and Power Source

The following Kits contain: ML4 LED HeadLight, HR/HRP optics with i-View and S-GUARD, mPack and plug-in transformer [01], Cleaning Fluid [02]			
Kit 1:	with **HR** Binocular Loupe	2.5x/340mm	**J-008.31.440**
Kit 2:	with HR Binocular Loupe	2.5x/420mm	**J-008.31.441**
Kit 11:	with HR Binocular Loupe	2.5x/520mm	**J-008.31.450**
Kit 3:	with **HRP** Binocular Loupe	3.5x/420mm	**J-008.31.442**
Kit 4:	with HRP Binocular Loupe	4x/340mm	**J-008.31.443**
Kit 5:	with HRP Binocular Loupe	6x/340mm	**J-008.31.444**



[01]

ML 4 LED HeadLight Kits with Power Source **without** S-GUARD

The following Kits contain: ML4 LED HeadLight, HR/HRP optics with i-View, mPack and plug-in transformer [01]			
Kit 1c:	with **HR** Binocular Loupe	2.5x/340mm	**J-008.31.452**
Kit 2c:	with HR Binocular Loupe	2.5x/420mm	**J-008.31.453**
Kit 11c:	with HR Binocular Loupe	2.5x/520mm	**J-008.31.463**
Kit 3c:	with **HRP** Binocular Loupe	3.5x/420mm	**J-008.31.454**
Kit 4c:	with HRP Binocular Loupe	4x/340mm	**J-008.31.456**
Kit 5c:	with HRP Binocular Loupe	6x/340mm	**J-008.31.457**



[03] [02]

ML 4 LED HeadLight UNPLUGGED Kits **with** S-GUARD and Power Source

The following Kits contain: ML4 LED HeadLight, HR/HRP optics with i-View and S-GUARD, Wall transformer EN50 UNPLUGGED [03], 2x mPack UNPLUGGED, Cleaning Fluid [02]			
Kit 6:	with **HR** Binocular Loupe	2.5x/340mm	**J-008.31.445**
Kit 7:	with HR Binocular Loupe	2.5x/420mm	**J-008.31.446**
Kit 12:	with HR Binocular Loupe	2.5x/520mm	**J-008.31.451**
Kit 8:	with **HRP** Binocular Loupe	3.5x/420mm	**J-008.31.447**
Kit 9:	with HRP Binocular Loupe	4x/340mm	**J-008.31.448**
Kit 10:	with HRP Binocular Loupe	6x/340mm	**J-008.31.449**



[03]

ML 4 LED HeadLight UNPLUGGED Kits with Power Source **without** S-GUARD

The following Kits contain: ML4 LED HeadLight, HR/HRP optics with i-View, Wall transformer EN50 UNPLUGGED [03], 2x mPack UNPLUGGED			
Kit 6c:	with **HR** Binocular Loupe	2.5x/340mm	**J-008.31.458**
Kit 7c:	with HR Binocular Loupe	2.5x/420mm	**J-008.31.459**
Kit 12c:	with HR Binocular Loupe	2.5x/520mm	**J-008.31.464**
Kit 8c:	with **HRP** Binocular Loupe	3.5x/420mm	**J-008.31.460**
Kit 9c:	with HRP Binocular Loupe	4x/340mm	**J-008.31.461**
Kit 10c:	with HRP Binocular Loupe	6x/340mm	**J-008.31.462**

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HR/HRP Binocular Loupes – Retrofitting Sets

for HEINE ML4 LED HeadLight



Pos. 1



[01]



Pos. 2



[02]

Retrofitting Set HR/HRP Binocular Loupes for ML4 LED HeadLight		
The sets enable you to equip your existing ML4 LED HeadLight with a binocular loupe. The set contains HR/HRP optics with i-View, S-GUARD splash protection and cleaning fluid [01]		
with **HR** Binocular Loupe	2.5x/340mm	**J-000.31.370**
with HR Binocular Loupe	2.5x/420mm	**J-000.31.371**
with **HRP** Binocular Loupe	3.5x/420mm	**J-000.31.372**
with HRP Binocular Loupe	4x/340mm	**J-000.31.373**
with HRP Binocular Loupe	6x/340mm	**J-000.31.374**
5 Steri-levers for i-View loupe mount for ML4 LED HeadLight [02]		**C-000.32.399**

Power Sources



[01]



[02]



[03]

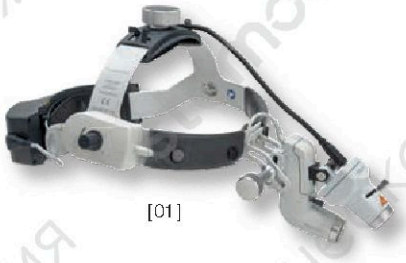
mPack and plug-in Transformer [01]	**X-007.99.672**
Plug-in Transformer for ML4 LED HeadLight [02]	**X-095.16.330**
mPack with EN50 table/wall unit (incl. 90° Angled Adaptor, Instrument support for Professional L Headband) [03]	**X-095.17.302**

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HEINE® ML4 LED HeadLight with DV1 Digital Video Camera

DV1 – for high-resolution, digital images

NEW!



[01]



[02]

- **High-resolution video camera.** 1.3 Megapixel, 1,280 x 960 Pixel.
- **Fully-integrated camera system.** No external brackets or prisms.
- **Precise HEINE Optics.** For the best digital images and high light intensity.
- **Dustproof.** No maintenance required.
- **Focus adjustable for any working distance.** From 250 to 800 mm.
- **Automatic white balance.**
- Connection of the camera via a standard USB 2.0 interface. Reliable, uncomplicated data transfer.
- **Compact.** Lightweight design (50 g, camera head without cable, total weight 410 g).
- **Connecting cable 3 m.**
- **Perfect Integration.** HeadLight, Digital Video Camera and Optional Binocular Loupe are designed and manufactured in-house.

ML4 LED HeadLight with DV1	
ML4 LED HeadLight with DV1 digital video camera and mPack UNPLUGGED with plug-in transformer [01]	**J-008.31.470**
ML4 LED HeadLight with DV1 digital video camera and mPack with plug-in transformer [02]	**J-008.31.471**

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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 2.5 x – 6 x.
- **Can be fitted with a CCD camera.**
- **Light source: HK 7000 F.O. Projector.**

Technical Specification	
Illumination	Up to **35,000 Lux** with HK 7000 F.O. Projector at a working distance of 250 mm
Colour Temperature	**3,300 Kelvin** with HK 7000 F.O. Projector
Light Source	HK 7000 F.O. Projector
Spot Adjustment	Adjustable spot size from **20 mm to 70 mm** at a distance of 200 mm and **45 mm to 180 mm** at a distance of 500 mm
Angle of Declination	Individually-adjustable
Brightness control	Stepless brightness control on Light Source

MD 1000 F.O. Headlight	
with Headband Professional L	**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 **HR** Binocular Loupe 2.5 x / 340 mm	**J-003.31.245**
Kit 2: with HR Binocular Loupe 2.5 x / 420 mm	**J-003.31.246**
Kit 3: with **HRP** Binocular Loupe 3.5 x / 420 mm	**J-003.31.247**
Kit 4: with HRP Binocular Loupe 4 x / 340 mm	**J-003.31.248**
Kit 5: with HRP Binocular Loupe 6 x / 340 mm	**J-003.31.249**
5 Steri-levers for i-View loupe mount	**C-000.32.399**

Light Source: HK 7000 F.O. Projector. Please order separately, see pages 142.

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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.

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 120 min working time without recharging.
- Lightweight and convenient.
- No more memory effect. Full capacity whenever needed.

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.



BETA handle module	X-000.99.010



BETA Battery Handle	2.5V
145 mm x 30 mm dia. (batteries not included; appropriate batteries: IEC LR14)	X-001.99.118
BETA Bottom insert	X-000.99.119



BETA NT rechargeable handle for NT 300 table charger	3.5V NiMH
145 mm x 30 mm dia. with NiMH rechargeable battery	X-002.99.411
BETA NT bottom insert	X-002.99.412

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

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The HEINE BETA® Range of Handles

- Fast charge capability / 2h
- 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 NT300 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** (NT200).
- **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 %

BETA L Li-ion rechargeable handle for NT300 table charger	3.5V Li-ion
145 mm x 30 mm dia., with Li-ion L rechargeable battery, complete	X-007.99.395
BETA L Bottom insert with charge status display	X-002.99.396



BETA TR Rechargeable Handle with transformer	3.5V NiMH	3.5V Li-ion
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.	X-002.99.384	X-007.99.384
BETA TR without transformer	X-002.99.386	X-007.99.386
Transformer for BETA TR rechargeable handle	X-000.99.309	X-000.99.309
BETA TR bottom insert	X-002.99.385	X-002.99.385



BETA R Rechargeable Handle for mains socket	3.5V NiMH	3.5V Li-ion
170 mm x 30 mm dia. The BETA R handle can be charged directly in the mains socket or outlet after unscrewing the cap.	X-002.99.376	X-007.99.376
BETA R bottom insert	X-002.99.377	X-002.99.377

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

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HEINE rechargeable batteries for BETA® Handles



[01] [02] [03]

Rechargeable batteries	3.5 V NiMH	3.5 V Li-ion	3.5 V Li-ion L
for BETA rechargeable handles	X-002.99.382 [01]	X-007.99.381 [02]	X-007.99.383 [03]

Please note: The Li-ion L battery is not compatible with BETA R, TR and NT 3.5 V handles and bottom inserts. For information on HEINE Laryngoscope Handles, see pages 073 – 076.

- **All full-size BETA handles can be updated to BETA L 3.5 V** (except BETA SLIM) **handles** by substituting the Li-ion L 3.5 V battery and the BETA L bottom insert.
- **Max. 4 hours recharge time in NT 300 table charger with NiMH. 2 hours with Li-ion.**
- **Retro-compatible.** All rechargeable batteries can also be charged in existing NT 200 and Nicatron chargers.



BETA Belt Clip	X-000.99.008

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

HEINE Large Battery Handle



Dimensions: 165 mm x 37 mm dia. Weight: 212 g without batteries, 505 g 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	2.5 V
for 2 alkali-manganese batteries, size D	X-001.99.120

HEINE BETA® SLIM Battery / Rechargeable Handle



[01]

Dimensions: 135 mm x 19 mm dia. Weight: 180 g.

A compact handle with automatic connector for those who prefer a slim handle.
Rechargeable in NT 300 charger fitted with the small adaptor ring.
Batteries not included.

BETA SLIM battery / rechargeable handle	2.5 V	3.5 V NiMH
BETA SLIM Battery Handle	X-001.99.105	
BETA SLIM Rechargeable Handle with 3.5 V M3Z NiMH battery		X-002.99.471
Rechargeable battery 3.5 V M3Z NiMH [01]		X-002.99.106

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HEINE mini 3000® Battery Handle



Innovative, compact battery handle in a high-quality, modern design.
Suitable for all mini 3000 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 mini 3000 instruments.** Versatile range.
- **Registered Design.**
- **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5 V NiMH and the bottom insert to update to the mini 3000 rechargeable handle. Fully-automatic charging with the mini NT table charger.

mini 3000 Battery Handle	2.5 V
with two dry batteries IEC LR6 (AA size)	**D-001.79.021**



All non-rechargeable mini handles are fitted with batteries (IEC LR 6 AA size). mini 3000 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® NT 300 table charger

The best in performance and quality



Dimensions: Width 142 mm, Height 61 mm, Depth 66 mm, Weight 830 g.
The NT 300 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 NT 300. Exceptions are the rechargeable versions of the Short and the Small F.O. 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



NT 300 table charger	
for BETA handles and Laryngoscope handles Angled F.O., Standard F.O. and Short F.O. (without handle, with adaptor)	**X-002.99.495**
Adapter set (two pieces) for BETA SLIM and Small F.O. Laryngoscope Rechargeable Handles [01]	**X-000.99.086**

*Due to the increased demands on the charging management function of these rechargeable batteries, a latest generation **HEINE** NT 300 recharging station must be used to properly and fully recharge these rechargeable batteries. Latest generation **HEINE** NT 300 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.

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

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HEINE® mini NT charger set for mini 3000®

Compact charging technology



- Fast charge capability
- Automatic charging
- Charge indicator

mini NT Charger set 2.5 V. 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 2.5 V rechargeable system. Optional adaptor set for mini 2000.
mini NT table charger: Width 112 mm, Height 50 mm, Depth 52 mm, Weight 270 g.

- **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 mini 3000 NiMH 2.5 V 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 mini 3000 2.5 V NiMH rechargeable battery.



[01] [02] [03] [04]

mini NT table charger and accessories	
mini NT Charger, only [01]	X-001.99.484
mini 3000 Rechargeable handle complete* [02]	D-001.79.022
Rechargeable battery NiMH 2Z, only [03]	X-001.99.487
Bottom insert for mini 3000 Rechargeable Handle, only [04]	X-001.99.488



[01] [02]

mini NT Adaptor Set for 1 mini 2000 Handle	
This set contains:	
1 bottom insert [01] and 1 adaptor for mini 2000 [02]. Together with a rechargeable battery it will allow the upgrade of one existing mini 2000 handle.	X-001.99.493



[01] [02] [03]

mini NT Charger Set for 2 mini 3000 Handles	
With this set, existing mini 3000 Handles can be updated to the 2.5 V 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 mini 3000 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.

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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.

Lamp Handle	6V
with switch and XHL Xenon Halogen bulb	X-004.99.607
Spare bulb	X-004.88.060
Extension cord. Suitable for all HEINE instruments and power sources with cinch connector. Length 2m.	C-000.33.510

HEINE Cord switch



On/Off switch. Suitable for HEINE instruments and power sources with cinch connector (e. g. E7).

Cord switch	X-095.16.202

Plug-in transformer HEINE® E7



6V/6W max. Power source, suitable for lamp handle.

E7	6V
Plug-in transformer E7	X-095.16.104
same, with lamp handle	X-095.16.105

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Plug-in transformer for the HEINE® ML 4 LED / OMEGA® 500



Powerful electric supply unit for the ML 4 LED HeadLight / OMEGA 500 (System voltage 6V).

Plug-in transformer for ML 4 LED HeadLight / OMEGA 500	**X-095.16.330**

HEINE® HC 50 L Headband Rheostat

Fingertip Illumination Control for OMEGA 500 / UNPLUGGED



[01]



[02]



[03]

- **Left or right sided Mounting Options** on the OMEGA Headband.
- **Can be combined with EN 50 and mPack** (with connection cord X-000.99.667).
- **100–240 V Compatible Transformer.**
- **For use with OMEGA 500 with XHL- and LED-Illumination.**

HC 50 L Headband Rheostat	6V
HC 50 L Headband Rheostat (without plug-in transformer and connecting cord) [01]	**X-095.16.325**

Plug-in transformer for HC 50 L Headband Rheostat [02]	**X-095.16.330**
Connecting cord UNPLUGGED-Cinch [03]	**X-000.99.667**

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Wall Transformer HEINE® EN 50 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 – 240 V).** Multi-voltage power supply unit incl. 4 different mains adaptors.
- **Registered Design.**

Wall transformer EN 50 UNPLUGGED (without mPack UNPLUGGED) 6 V	X-095.17.310

- Charger and wall-mount in one
- Intelligent charging system

HEINE® mPack UNPLUGGED

Headband-mounted rechargeable battery

Rechargeable battery for OMEGA 500 Indirect Binocular Ophthalmoscope UNPLUGGED and ML 4 LED HeadLight UNPLUGGED (System voltage 6 V).



- **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:** 3.5 hours for ML 4 LED HeadLight, 2 hours for OMEGA 500 UNPLUGGED, 8 hours for OMEGA 500 UNPLUGGED with LED.
- **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit).
- **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology. UL-compliant.
- **Registered Design.**

- Headband battery (rechargeable)
- LED charge status display



[01]



[02]

LI POL

mPack UNPLUGGED	
mPack UNPLUGGED	X-007.99.665
Transformer UNPLUGGED for mPack UNPLUGGED [01]	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 [02]	X-000.99.668

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HEINE® mPack / HEINE® mPack LL

Portable Power Packs

The mPack is only compatible with OMEGA 500 and ML 4 LED HeadLight.

The mPack LL is only compatible with LED LoupeLight, LED MicroLight, SIGMA 250 and SIGMA 250 M2.

- **Brightness control from 0.5 – 100 %**
- **Capacity LED LoupeLight and LED MicroLight:** 17 hours from fully charged under full load.
- **Capacity SIGMA 250 and SIGMA 250 M2:** 23 hours from fully charged under full load.



- Li-ion Battery
- Battery Capacity Indicator
- Fast Charge

- **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 3 x 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 EN 50 Charger base station, or with mobile plug-in transformer.
- **Intelligent.** Automatically switches to "charge" mode when inserted in EN 50. Can also be used as mains power supply even while in "charge" mode.
- **Automatic remote power adjustment** for compatibility with all HEINE 6 V and selected LED instruments.
- **Stepless light intensity control.** Optimum brightness setting prevents reflexes.
- **100 – 240 V Compatible Transformer** incl. 4 plugs for world wide compatibility.



[01]



[02]



[04]



[03]

mPack / mPack LL	6 V
EN 50-m Charger Wall / Table Unit with **mPack**, (incl. 90° Angled Adaptor, Instrument support for Professional L Headband [01])	**X-095.17.302**
same, with **mPack LL** and instrument support for S-FRAME [02] and Professional L Headband [01]	**X-095.17.303**
LI ION **mPack** with Li-ion rechargeable battery and plug-in transformer	**X-007.99.672**
mPack LL with Li-ion rechargeable battery and transformer	**X-007.99.660**
LI ION **mPack** with Li-ion rechargeable battery, without transformer	**X-007.99.671**
mPack LL with Li-ion rechargeable battery, without transformer	**X-007.99.661**
Li-ion rechargeable battery for mPack / mPack LL	**X-007.99.676**
Plug-in transformer for mPack / mPack LL [04]	**X-095.16.315**
Plug-in 90° Angled Adaptor (for EN 50 Charger / mPack and mPack LL) [03]	**C-000.33.509**

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Wall-/Table-Transformer HEINE® EN 50

Modular Power Supply System/charger



- Modular Power Supply System
- Soft Start Technology
- Switches off automatically

The HEINE Modular Power Supply System offers unsurpassed flexibility and innovative new features. The EN 50 powers OMEGA 500, SIGMA 250, ML 4 LED HeadLight, LED MicroLight and LED LoupeLight. Furthermore, all other HEINE 6V products are compatibel. The EN 50 Charger, the mPack/mPack LL and HC 50 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 – 240 V Compatible Transformer** incl. 4 plugs for world wide compatibility.
- **Registered Design.**

EN 50 Charger	6 V
EN 50 Transformer table/wall unit with Rheostat Control Module (incl. 90° Angled Adaptor, Extension Cord Cinch-Cinch 2 m, Instrument support) [01]	X-095.17.301
Rheostat Control Module* for EN 50 [02]	X-095.17.305
EN 50 Base unit (without Rheostat Control Module) [03]	X-095.17.300

Plug-in 90° Angled Adaptor (for EN 50/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



[01] [02] [03] [04]

*not compatible with SIGMA 250, LED MicroLight and LED LoupeLight

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HEINE EN 100® Wall Transformer

Performance you can depend on


[01]

The EN 100 Wall Transformer is a modern attractive product that ensures proper storage of the instruments.

- **Suitable for all HEINE 3.5 V instruments.**
- **The EN 100 provides a constant 3.5 V 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 3 m. Instrument locks as standard equipment prevent unauthorised removal.
- **Flexible extension option.** The Basic unit [01] or the Single unit [02] are freely expandable with the Extension Unit [03] or with additional components.

- Soft Start Technology
- Lockable handles
- Automatic on/off switching
- Optional Extension Unit


[02]


[03]

HEINE EN 100® Diagnostic Centre


[01] [03] [04] [05]

How to select your personal Diagnostic Centre:
Order the EN 100 Wall Transformer and the Extension Unit or additional system components such as the AllSpec Tip-dispenser or GAMMA XXL LF-W Sphygmomanometer. Select the instruments of your choice (3.5 V version) individually from the HEINE range.

EN 100 Diagnostic Centre	3.5 V
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

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HEINE EN 100® Diagnostic Centre



[01]



[02]

EN 100 Sets	3.5 V
with EN 100 Basic Unit (with two handles), **BETA 400 F.O. Otoscope, BETA 200 Ophthalmoscope,** 1 set of reusable tips and 1 spare bulb for each instrument [01]	**A-095.12.304**
with EN 100 Basic Unit (with two handles), **BETA 200 F.O. Otoscope, BETA 200 Ophthalmoscope,** 1 set of reusable tips and 1 spare bulb for each instrument	**A-095.12.305**
with EN 100 Basic Unit (with two handles), **BETA 100 Diagnostic Otoscope, BETA 200 Ophthalmoscope,** 1 set of reusable specula and 1 spare bulb for each instrument	**A-095.12.307**
with EN 100 Basic Unit (with two handles), **K 180 F.O. Otoscope, K 180 Ophthalmoscope,** 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]	**A-095.12.393**
with EN 100 Basic Unit (with two handles), **K 100 Diagnostic Otoscope, K 180 Ophthalmoscope,** 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	**A-095.12.394**

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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		
Otoscopes	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 (Delivery includes lamp shade)	X-001.88.037	X-002.88.049
BETA 200 Otoscope (Delivery includes lamp shade)	X-001.88.077	X-002.88.078
BETA 400 Otoscope (Delivery includes lamp shade)	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	
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

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HEINE XHL® Xenon Halogen Bulbs



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	
mini 2000* Clip Lamp	X-001.88.041	
mini 2000* Combi Lamp	X-001.88.041	
mini 3000 Clip Lamp	X-001.88.107	
mini 3000 Laryngeal Mirror*	X-001.88.057	
mini 3000 Combi Lamp	X-001.88.107	
mini* Fibralux	X-001.88.041	
mini-c Clip Lamp	X-001.88.108	

- Exceptional performance
- Optimum light output
- Extreme long life



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
BETA 200 M2 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA 200 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA 200S Ophthalmoscope	X-001.88.069	X-002.88.070
K 180 Ophthalmoscope	X-001.88.084	X-002.88.086
mini 2000* Ophthalmoscope	X-001.88.042	
mini 3000 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

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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
BETA 200 Spot Retinoscope	X-001.88.088	X-002.88.090
BETA 200 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
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
mini 2000* Focalux	X-001.88.042	
mini 3000 Focalux	X-001.88.042	
Ophthalmic Examination Lamp	X-001.88.032	X-002.88.047
Finoff Transilluminator	X-001.88.077	X-002.88.078

* instrument no longer available

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Indirect Ophthalmoscopes	3.5 V	6 V
Indirect Hand-held Ophthalmoscope	X-002.88.050	X-004.88.081
OMEGA 100*		X-004.88.068
OMEGA 150*		X-004.88.068
OMEGA 180*		X-004.88.068
OMEGA 200		X-004.88.068
OMEGA 500 10 W (optional for twice the brightness)		X-004.88.104
OMEGA 500 5 W (standard equipment)		X-004.88.111
Video OMEGA 2C Ophthalmoscope		X-004.88.068
SIGMA 100*		X-004.88.076
SIGMA 150 K* Headworn Ophthalmoscope		X-004.88.093
SIGMA 150*		X-004.88.093
SIGMA 150 M2* Headworn Ophthalmoscope		X-004.88.093



VET INSTRUMENTS		
	2.5 V	3.5 V
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
Operating Otoscope	X-001.88.037	X-002.88.049



LARYNGOSCOPES		
	2,5 V	3,5 V
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

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DERMATOSCOPES AND ILLUMINATED LOUPES

Dermatoscopes	2.5V	3.5V
alpha+* Dermatoscope	X-001.88.034	X-002.88.053
DERMAPHOT* 2,2 V vacuum bulb	X-000.88.082	
DELTA 10* Dermatoscope	X-001.88.038	X-002.88.046
mini 2000* Dermatoscope	X-001.88.034	
mini 3000 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

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

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HEINE Projector Bulbs



PROJECTORS		
	Halogen	Xenon
F.O. Projector HK 4000* / 100W	**Y-096.15.103**	
F.O. Projector HK 6000*, 7000, 7000D* / 150W	**Y-096.15.102**	
F.O. Projector mini* 20W	**Y-096.14.103**	
F.O. Projector uno*, endo*, multi* 150W	**Y-096.11.103**	
Projector XENON 1000 / 100W		**Y-096.15.108**

* projector no longer available

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Fiber Optic (F.O.) Projector HEINE® HK 7000



The F.O. Projector HK 7000 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 3,690 g.

- **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	
150 W XHL Halogen spare bulb and fuse included	Y-096.15.121

Spare fuse	Y-096.15.110
XHL Halogen spare bulb 150 W	Y-096.15.102
Wall support for HK 7000	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	Y-003.99.518

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	Y-096.50.001
Wheeled stand – with base-plate	Y-096.50.002

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

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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 [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**

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HEINE Cases

[08]


Hard case for Ophthalmic Diagnostic Sets C-262 and C-145 [08] **C-145.00.000**

[09]


Case for Indirect Ophthalmoscope Set C-281 [09] **C-160.00.000**

[10]


Soft pouch for ophthalmoscopes [10] **C-182.01.000**

[11]


Hard case for LAMBDA 100 Retinometer Set [11] **C-187.06.000**

[12]


Soft pouch for mini [12] **D-861.00.000**

[13]


Zipper case for mini 3000 Dermatoscope [13] **D-887.00.000**

[14]


Zipper case for laryngoscopes [14] **F-179.00.000**

[15]


Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 [15] **F-227.01.000**

Further cases on request.

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Page	Index
	A
076/127	Adaptors for NT 300 table chargers
094–096	Anoscopes
	B
126	Batteries
126	- Li-ion Rechargeable Battery
126	- NiMH Rechargeable Battery
104–111	Binocular Loupes
110	- C 2.3 / C 2.3 K
106/107	- HR
108/109	- HRP
112–114	Binocular Loupe Accessories
112	- Headband
113/114	- LED LoupeLight
112	- Spectacle frame S-FRAME
136	Bulbs, XHL Xenon Halogen Technology
	C
143/144	Cases
127/128	Chargers
128	- mini NT
127	- NT 300 and Adaptor
024–026	Clip Lamps
024	- mini-c
025	- mini 3000 Clip Lamp
026	- mini 3000 Combi Lamp
129	Cord Switch
	D
082–088	Dermatoscopes
082	- DELTA 20 Plus
085	- NC 1
086	- mini 3000
087	- mini 3000 LED
084/088	Dermatoscope Accessories
084	- Adaptor Cord for DELTA 20 Plus
088	- Contact plate for mini 3000 / mini 3000 LED
084	- Contact plate for DELTA 20 Plus
084	- Dermatoscopy Oil
084	- SLR Photoadaptor for DELTA 20 Plus
134/135	Diagnostic Centre EN 100
	E
101–103	Examination Lights
101	- EL 10 LED
103	- HL 1200
102	- HL 5000
	F
142	Fiber Optic Cable for HEINE Projectors
053	Finoff Transilluminator
064	Fundus Charts
	H
049/050	Hand-held Slit Lamps
049	- HSL 150
050	- HSL 150 Sets
049	Hand-held Slit Lamp Accessories
049	- HSL 10 x Loupe Attachment

Page	
	Handles
124	- BETA Battery Handle
125	- BETA L Rechargeable Handle
124	- BETA NT Rechargeable Handle
125	- BETA R Rechargeable Handle
126	- BETA SLIM Battery Handle
126	- BETA SLIM Rechargeable Handle
125	- BETA TR Rechargeable Handle
129	- Lamp Handle
126	- Large Battery Handle
076	- Laryngoscope F.O. Angled Handle
076	- Laryngoscope F.O. SP Handle
076	- Laryngoscope Short F.O./F.O. LED Handle
075	- Laryngoscope Small F.O./F.O. LED Handle
074/075	- Laryngoscope Standard F.O. Handle
073/075	- Laryngoscope Standard F.O. LED Handle
072	- Laryngoscope XP Disposable Handle Shell
127	- mini 3000 Battery Handle
128	- mini 3000 Rechargeable Handle
116–123	Headlights
118–122	- ML 4 LED HeadLight
118/119	- ML 4 LED HeadLight UNPLUGGED
123	- MD 1000 F.O.
116	- LED MicroLight
	L
	Lamps
024	- mini-c Clip Lamp
026	- mini 3000 Combi Lamp
065–081	Laryngoscopes
	Laryngoscopes Classic+ F.O.
066	- Macintosh F.O.
067	- Miller F.O.
067	- Paed F.O.
077	- Sets
067	- WIS F.O.
	Laryngoscopes FlexTip+ F.O.
070	- FlexTip+ F.O.
078/079	- Sets
	Laryngoscopes Modular+ F.O.
068	- Macintosh F.O.
069	- Miller F.O.
080	- Sets F.O.
	Laryngoscopes XP, Disposable
081	- Emergency Set
071	- Macintosh
071	- Miller
	M
128	mini NT table charger
132	mPack / mPack LL
131	mPack UNPLUGGED

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Page	Index
	O
053	Ophthalmic Examination Lamps
063/064	Ophthalmoscope Accessories
064	- Ophthalmoscopy Lens A.R.
063	- Trainer, Model Eye
064	- Combi-Case
037–046	Ophthalmoscopes, Direct
038	- BETA 200 / 200 M2
037	- BETA 200 S
041	- K 180
043	- mini 3000
045	- mini 3000 LED
054–062	Ophthalmoscopes, Indirect
062	- BINOCULAR, Hand-held
062	- MONOCULAR, Hand-held
055	- OMEGA 500, binocular, Head-worn
058	- OMEGA 500 UNPLUGGED
060	- SIGMA 250, Spectacle-worn
059	Ophthalmoscope VIDEO OMEGA 2C
	Otoscopes
017	- BETA 100
009	- BETA 200 F.O.
007	- BETA 400 F.O.
032	- BETA 100 F.O. VET (Veterinary)
031	- BETA 200 F.O. VET (Veterinary)
019	- K 100
011	- K 180 F.O.
012	- mini 3000 F.O
014	- mini 3000 F.O LED
021	- mini 3000
	Otoscope Accessories
016	- Insufflation Bulb for BETA 200, BETA 400, K 180
022	- Insufflation Bulb for BETA 100, K 100
035	- Insufflation Bulb for BETA 100 VET, 200 VET
016	- Insufflation Bulb for mini 3000 F.O.
015/016	- Tips / Specula
022	- Tips / Specula
030	Otoscope, Operating
	P
124–135	Power Sources
124–129	- BETA Handles
129	- Cord Switch
132	- mPack / mPack LL
131	- mPack UNPLUGGED
127	- mini 3000 battery handle
128	- mini 3000 rechargeable handle
128	- mini NT table charger
127	- NT 300 table charger
129/130	- Transformers
142	Projectors F.O.
142	- HK 7000
142	Projector Accessories
142	- Fiber Optic Cable
142	- Wheeled Stand
094–100	Proctology
099	- Anoscope instrument kit ATE
094	- Instrument Head for UniSpec Tubes
097	- Sigmoidoscope
099	- Sigmoidoscope/Proctoscope kit RTE
100	- Sigmoidoscope/Proctoscope kit RE 7000
095	- Tubes with straight direction of view
095	- Tubes with 90° direction of view
094	- UniSpec Disposable Tubes

Page	
098	Proctology Accessories
098	- Rubber Insufflation Bulb
098	- Sponge Holder
098	- Telescope
095	Proctoscope / Anoscope Illumination Head
096	Proctoscope F.O.
	R
126	Rechargeable Batteries
126	- Li-ion Rechargeable Battery
126	- NiMH Rechargeable Battery
051/052	Retinometer LAMBDA 100
047/048	Retinoscopes
047	- BETA 200
063	- Trainer, Model Eye
	S
112	S-FRAME
064	Scleral-Depressor
028	Slit Illumination Head (Veterinary)
	Specula
022/035	- Disposable Ear Specula UniSpec
015/035	- Disposable Tips AllSpec
033	- Long Closed Specula, Metal (Veterinary)
032	- Reusable Specula SANALON S VET (Veterinary)
022	- Reusable Specula SANALON S
016	- Reusable Tips SANALON S
034	- Short Closed Specula (Veterinary)
033	- Slit Metal Specula
016	- Soft Reusable Tips
033	- Spreadable Speculum for Slit Illumination Head (Veterinary)
092	Sphygmomanometer Accessories
092	- Cuffs for GAMMA G latex-free
089–091	Sphygmomanometers GAMMA latex-free
090	- GAMMA G5
089	- GAMMA G7
090	- GAMMA GP
091	- GAMMA XXL LF
093	Stethoscopes GAMMA latex-free
	T
022	Tip-Adaptor (for AllSpec)
023	Tongue-Blade Holder
129–134	Transformers
129	- E 7 Plug-in Transformer
133	- EN 50 Wall-/Table Transformer
131	- EN 50 UNPLUGGED Wall Transformer
134	- EN 100 Wall Transformer
130	- HC 50 L Headband Rheostat
130	- Plug-in transformer for ML 4 LED HeadLight / OMEGA 500
	V
028	Veterinary, Slit Illumination Head

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