

HEINE

2010 | HEINE MASTER CATALOGUE | MEDICAL



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140 | HEINE Worldwide

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

HEINE QUALITY
MADE IN GERMANY

2010 | NEW PRODUCTS



- ∴ **HEINE LED LoupeLight®**
- ∴ **HEINE i-View®**



HEINE LED LoupeLight®

This compact LED loupe light combines perfectly with all new HEINE HR®/HRP® and HR-C® Binocular Loupes with S-Frame or with the Professional L Headband. Ideal for dental and ENT applications.

HEINE i-View®. Swivelling loupe mount for S-Frame and the Professional L Headband.

i-View provides precise individual adjustment of the loupes for pupillary distance as well as viewing angle. The eyepieces stay close to the examiner's pupils. These features avoid fatigue and provide a comfortable, ergonomic posture at all times. The optional LED LoupeLight can also be fitted directly to the loupe mount. The light and the loupes can be adjusted independently.



CO-AXIAL LIGHT

Shadow-free illumination of cavities. Co-axial adjustment ideal for all HEINE HR®/HRP® and HR-C® Binocular Loupes.

40,000 LUX – BRIGHT, WHITE LIGHT

Exceptional 1 Watt/ 40,000 Lux loupe light with a reference colour temperature of 6,250 Kelvin.

COMPACT AND LIGHT

Compact, functional design for clear, shadow-free illumination. Comfortable, ergonomic posture avoids fatigue.

For more information see page 110.

- ∴ HEINE NT 300® / BETA L® Handle
- ∴ HEINE mini NT® / mini 3000® Rechargeable handle

NT 300

HEINE
— MADE IN —
GERMANY



[HEINE NT 300® / mini NT®]

HEINE NT 300® / mini NT® Charger

INNOVATIVE HIGHTECH DESIGN

NT 300/mini NT. Intelligent chargers with fast charge capability, charge indicator and automatic overcharge protection.

HEINE QUALITY
MADE IN GERMANY

HEINE BETA L® 3,5V Li-ion Rechargeable Handle

INNOVATIVE AND MODERN

Innovative Li-ion rechargeable handle with charge status display in the bottom insert of the handle.

HEINE mini 3000® Handle with recharge feature

IN HANDY, COMPACT FORM

The mini 3000 handle can be updated to a rechargeable handle with the mini 2.5V NiMH rechargeable battery and bottom insert.

For more information see page 118 - 121.



2010 | NEW PRODUCTS

HEINE Standard F.O. L® Laryngoscope Handle

3.5V Li-ion rechargeable handle with XHL XENON halogen light and charge status display in the bottom insert.

HEINE Standard F.O. L LED® Laryngoscope Handle

3.5 V Li-ion rechargeable handle with LED light and charge status display in the bottom insert.

For more information see page 075.

HEINE QUALITY
MADE IN GERMANY

The philosophy: State-of-the-art technology of the highest quality. A complete range of instruments for routine diagnosis from a world market leader. **HEINE Optotechnik. Since 1946.**





∴ Quality has a name

HEINE

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

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

Engineering / Manufacturing

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

Sales and Service

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

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





Trade Mark

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

Warranty

AllSpec®
BETA®
DELTA®
EN 100®
GAMMA®
HEINE®
HEINE AllSpec®
HEINE BETA®
HEINE FlexTip®
HEINE Logo®
HEINE OMEGA®
HEINE XHL®
i-View®
mini 3000®
ParaStop®
S-Frame®
S-Guard®
SANALON®
SIGMA®
UniSpec®
XHL®

3S LED
BETA 200 S Ophthalmoscope
BETA 200 Ophthalmoscope
BETA 200 Retinoscope
DELTA 20
EN50/mPack
Fiber optic Otoscope
F.O. Laryngoscope
GAMMA G
HEINE BETA handles
HEINE BETA L Handle
i-View
LAMBDA 100 Retinometer
Laryngoscope Modular F.O.
LED LoupeLight
Li-ion Battery
mini 3000 battery handle
mini NT
NT 300
OMEGA 500
OMEGA 200
SIGMA 150
XP handle shell

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

All products confirm to the European Medical Guidelines MDD 93/42 EG. They carry the **CE** mark.

Standard 5 Year Parts and Labor Warranty:

All HEINE products carry a 5 year parts and labor warranty against defects in materials and workmanship. This excludes disposable and consumable items. For details please visit www.heine.com. HEINE. Simply the best warranty in the market.



Special Warranties:

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

HEINE GAMMA®-Series:

GAMMA G7 and XXL Sphygmomanometers carry an extended 10 year parts and labor warranty. For details please visit www.heine.com.

HEINE Quality

In many diagnostic specialties (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.



The ultimate in performance and quality.

Innovative optical design, high-tech materials and the latest production methods all contribute to exceptional image quality with bright, reflex-free illumination of the tympanum and auditory canal.

A range of instruments with distal Fiber Optic (F.O.) [01] or direct illumination [02] and powerful XHL Xenon Halogen bulbs provide ideal solutions for the most diverse applications.

HEINE Otoscopes



BETA 200 K 180 mini 3000 F.O. BETA 100 K 100 Operating otoscope mini 3000

	Housing construction						
Metal	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	
Polycarbonate		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	Viewing window						
Glass	<input type="checkbox"/>			<input type="checkbox"/>			
Acrylic		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	Illumination						
F.O.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Direct				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insufflation port	<input type="checkbox"/>						
	Instrument size						
Professional	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Compact			<input type="checkbox"/>				<input type="checkbox"/>
	Available power sources						
Battery 2.5V	<input type="checkbox"/>						
Rechargeable battery 2.5V			<input type="checkbox"/>				<input type="checkbox"/>
Rechargeable battery 3.5V	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Page	013	015	016	020	022	023	017

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

The ultimate in performance and quality



- ∴ Fiber Optic (F.O.) illumination
- ∴ All-metal housing
- ∴ Silicate glass viewing window

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

- ∴ **Distal Fiber Optic (F.O.) illumination with XHL Xenon Halogen Technology.**
Homogenous, reflex-free illumination of ear canal and tympanum.
- ∴ **Large, scratch-resistant glass viewing window with 3x magnification.**
Unobstructed view, distortion-free image.
- ∴ **Airtight window seal.** Reliable test of tympanic mobility.
- ∴ **Swivelling viewing window built into instrument.**
Useful for instrumentation, cannot be mislaid.
- ∴ **Matt-chrome-plated metal construction.**
Durable and easy to clean.

BETA 200 F.O. Otoscope	2.5V	3.5V
with 4 reusable tips	B-001.11.501	B-002.11.501
same, without tips	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 of reusable tips, 10 AllSpec disposable tips and spare bulb in hard case with:



BETA 200 F.O. Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-141.10.118		
BETA R rechargeable handle		B-141.20.376	B-141.27.376
BETA TR rechargeable handle and transformer		B-141.20.384	B-141.27.384
BETA NT rechargeable handle and NT 300 charger		B-141.20.420	
BETA L rechargeable handle and NT 300 charger			B-141.29.420

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



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



Set complete: **BETA200 Ophthalmoscope, BETA200 F.O. Oscope,**
1 set of reusable tips, 10 disposable tips and one spare bulb each
in hard case with:

BETA200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-132.10.118		
BETA R rechargeable handle		A-132.20.376	A-132.27.376
BETA TR rechargeable handle and 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



As A-132 above, but with multi-purpose illuminator with:

BETA200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-134.10.118		
BETA R rechargeable handle		A-134.20.376	A-134.27.376
BETA TR rechargeable handle and transformer		A-134.20.384	A-134.27.384
BETA NT rechargeable handle and NT 300 charger		A-134.20.420	
BETA L rechargeable handle and NT 300 charger			A-134.29.420

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

HEINE K 180® Fiber Optic (F.O.) Otoscope

The standard, all around Fiber Optic Otoscope



∴ Fiber Optic (F.O.) illumination

∴ Polycarbonate construction

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

K 180 F.O. Otoscope	2.5V	3.5V
with 4 reusable tips	B-001.11.551	B-002.11.551
same, without tips	B-001.11.550	B-002.11.550
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

HEINE K 180® Fiber Optic (F.O.) Diagnostic Sets

Set complete with **K180 Fiber Optic (F.O.) Otoscope** and 1 set of reusable tips in soft pouch with:



K 180 F.O. Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-181.10.118		
BETA R rechargeable handle		B-181.20.376	B-181.27.376
BETA TR rechargeable handle and transformer		B-181.20.384	B-181.27.384
BETA NT rechargeable handle and NT 300 charger		B-181.20.420	
BETA L rechargeable handle and NT 300 charger			B-181.29.420

Set complete: **K 180 Ophthalmoscope, K 180 Fiber Optic (F.O.) Otoscope** and 1 set of reusable tips in hard case with:



K 180 Combined Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-279.10.118		
BETA R rechargeable handle		A-279.20.376	A-279.27.376
BETA TR rechargeable handle and 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.



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.

- ∴ **Distal Fiber-Optic (F.O.) illumination with enhanced XHL Xenon Halogen Technology producing 100% more light compared with conventional bulbs.** Homogenous, reflex-free illumination of ear canal and tympanum.
- ∴ **Viewing window with 3x magnification** and optimized casing surface for razor-sharp images and minimal reflection. Swivelling viewing window built into instrument.
- ∴ **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.
- ∴ **Insufflation port.** For pneumatic testing of tympanic mobility. Please order connector separately.

- ∴ Modern pocket otoscope
- ∴ Fiber Optic (F.O.) illumination
- ∴ Switches off automatically
- ∴ Optional rechargeable handle

mini 3000 F.O. Otoscope	2.5V
mini 3000 F.O. Otoscope with mini 3000 battery handle and 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm disposable tips	D-001.70.120
mini 3000 F.O. Otoscope with mini 3000 battery handle and 5 of both 2.5 and 4 mm disposable tips	D-001.70.110
mini 3000 F.O. Otoscope with bulb, without handle and without accessories	D-001.70.106
XHL Xenon Halogen spare bulb	X-001.88.105

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

Insufflation Bulb

- ∴ **For pneumatic testing.**



Insufflation bulb for 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	D-000.80.101

HEINE mini 3000® Otoscope

Compact pocket otoscope with direct illumination



Modern pocket otoscope in a unique, compact design. Can only be used with the mini 3000 handle system.

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

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



Direct XHL Xenon Halogen illumination



[01]



[02]



[03]



[04]



[05]



mini 3000 Otoscope	2.5V
mini 3000 Otoscope 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.	D-001.70.220
mini 3000 Otoscope with mini 3000 battery handle and 5 of both AllSpec disposable tips 2.5 and 4 mm dia.	D-001.70.210
mini 3000 Otoscope with bulb, without handle and without accessories	D-001.70.206

XHL Xenon Halogen spare bulb	X-001.88.110
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- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

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.



HEINE mini 3000® Diagnostic Sets



Set D-851 complete with **mini 3000 Fiber Optic (F.O.) Otoscope**, 4 reusable tips, 10 AllSpec disposable tips in hard case with:

	2.5V
mini3000 battery handle with batteries	D-851.10.021
as above, but with mini 3000 Otoscope	D-851.20.021



Set D-873 complete with **mini 3000 Ophthalmoscope**, **mini 3000 F.O. Otoscope**, 1set = 4 reusable tips, 5 each of 2.5 and 4 mm dia. AllSpec disposable tips, in hard case with:

	2.5V
2 mini 3000 battery handles with batteries	D-873.11.021
as D-873 but with mini 3000 Otoscope	D-873.21.021



[01]



[02]



[03]

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485

Rechargeable battery NiMH 2Z [02]	X-001.99.487
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[04]



[05]

mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

*For more information on the mini NT charger system see page 121.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



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.

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 200, K 180, mini 3000, mini 3000 F.O. Otoscopes

Pack of 1000 pcs. 2.5mm dia. (infants)	B-000.11.128
Pack of 1000 pcs. 4mm dia. (adults)	B-000.11.127
Case of 10 dispenser packs of 250 tips, 2.5mm dia (infants) [01]	B-000.11.151
Case of 10 dispenser packs of 250 tips, 4mm dia (adults)	B-000.11.150
AllSpec Tip-dispenser [02]	B-000.11.148

The right size, visible and instantly available. A clean new tip for each and every patient.

Reusable tips



- ∴ **Made of high-density SANALON S 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 200, K 180, mini 3000, mini 3000 F.O. Otoscopes

1 set = 4 pcs. reusable tips SANALON S 2.4/3/4/5mm dia.	B-000.11.111
Reusable tip 2.4mm dia.	B-000.11.107
Reusable tip 3.0mm dia	B-000.11.108
Reusable tip 4.0mm dia.	B-000.11.109
Reusable tip 5.0mm dia.	B-000.11.110
Reusable nasal speculum 10mm dia.	B-000.11.143

Soft Disposable tips for reusable tips

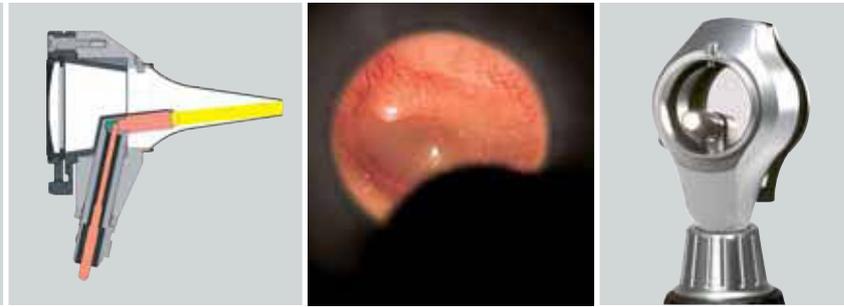


Soft disposable tips (black)

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



Bright XHL Xenon Halogen direct illumination.



HEINE BETA 100® Diagnostic Otoscope

Diagnostic Otoscope with an all-metal housing



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

An otoscope with direct Xenon Halogen illumination in an elegant all-metal instrument head. Unusually-versatile in combination with nasal and spreadable specula for easy instrumentation. Large-diameter viewing window with 3x magnification made of non-scratch optical glass. The instrument head is matt-black inside to eliminate reflexes.

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

BETA100 Diagnostic Otoscope	2.5V	3.5V
with 6 reusable specula	B-001.11.527	B-002.11.527
without specula	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		B-000.11.212

HEINE BETA 100® ENT Diagnostic Sets



Set complete with **BETA 100 Diagnostic Otoscope**, 1 set of reusable specula, 10 disposable specula and spare bulb in hard case with:

BETA 100 Oscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-236.10.118		
BETA R rechargeable handle		B-236.20.376	B-236.27.376
BETA TR rechargeable handle and 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: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoscope**, 1 set of reusable specula, 10 disposable specula and one spare bulb each in hard case with:

BETA Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V 
BETA battery handle	A-234.10.118		
BETA R rechargeable handle		A-234.20.376	A-234.27.376
BETA TR rechargeable handle and 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.



HEINE K 100® 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, and features a high quality acrylic viewing window with 3x magnification. Matt black interior to eliminate reflexes.

- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.
- ∴ **Excellent value.** An economical alternative to all-metal otoscopes.

- ∴ Polycarbonate construction
- ∴ Easy instrumentation

K100 Diagnostic Otoscope	2.5V	3.5V
with 3 reusable specula 3.5/4.5/5.5mm dia.	B-001.11.576	B-002.11.576
same, without specula	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		B-000.11.212

HEINE K 100® ENT Diagnostic Sets

Set complete with **K100 Diagnostic Otoscope**, 1 set of reusable specula and spare bulb in soft pouch with:



Sets K100 Otoscope	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-237.10.118		
BETA R rechargeable handle		B-237.20.376	B-237.27.376
BETA TR rechargeable handle and transformer		B-237.20.384	B-237.27.384
BETA NT rechargeable handle and NT 300 charger		B-237.20.420	
BETA L rechargeable handle and NT 300 charger			B-237.29.420

Set complete with **K100 Diagnostic Otoscope**, 3 reusable specula in soft pouch with:



Sets K100 Otoscope	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-245.10.118		
BETA R rechargeable handle		B-245.20.376	B-245.27.376
BETA TR rechargeable handle and transformer		B-245.20.384	B-245.27.384
BETA NT rechargeable handle and NT 300 charger		B-245.20.420	
BETA L rechargeable handle and NT 300 charger			B-245.29.420

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

HEINE Operating Otoscope

The greatest flexibility and most options for instrumentation



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

- ∴ **Open construction.** Ideal for instrumentation.
- ∴ **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.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.

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

HEINE Operating Otoscope	2.5V	3.5V
with 1 set = 6 reusable specula	B-001.11.494	B-002.11.494
same, without specula	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 Sets



Set complete with **Operating Otoscope**, 1 set of reusable specula, 10 disposable specula and spare bulb in hard case with:

Operating Otoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-188.10.118		
BETA R rechargeable handle		B-188.20.376	B-188.27.376
BETA TR rechargeable handle and transformer		B-188.20.384	B-188.27.384
BETA NT rechargeable handle and NT 300 charger		B-188.20.420	
BETA L rechargeable handle and NT 300 charger			B-188.29.420

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



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 BETA 100, K100, Operating Otoscope

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

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 BETA 100, K100 and Operating Otoscope

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

Spreadable Nasal Speculum



- ∴ **All-metal construction.** Anatomically-correct rounded shape.
- ∴ **For use with Operating Otoscope, BETA 100 Diagnostic Otoscope and Fiber Optic Nasal Illuminator.**

Spreadable Nasal Speculum	B-000.11.231
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Not recommended for use with K 100 Diagnostic Oscopes.

Universal Speculum



- ∴ **All-metal construction.** Opens symmetrically from 2.5 to 15 mm.
- ∴ **Rotate ring to open branches.** Stays put in any position.
- ∴ **For use with Operating Otoscope, BETA 100 Diagnostic Otoscope and Fiber Optic Nasal Illuminator.**

Universal Speculum

B-000.11.239

Not recommended for use with K 100 Diagnostic Oscopes.

Tip-Adaptor



- ∴ **All-metal construction.** Adaptor for AllSpec disposable tips for use with diagnostic (BETA 100, K 100) and operating otoscope.

Tip-Adaptor

B-000.11.306

Insufflation Bulb



For Diagnostic Oscopes.

- ∴ **For pneumatic testing.**

Insufflation bulb

B-000.11.240



Straight Laryngeal Mirror

A range of accessories make this instrument particularly versatile.



Metal tongue-depressor



Transilluminator



Protective cap for bulb



Straight Laryngeal Mirror	2.5V	3.5V
complete with plane mirror 20mm dia.	B-001.12.101	B-002.12.101
without mirror	B-001.12.109	B-002.12.109
XHL Xenon Halogen spare bulb	X-001.88.057	X-002.88.063
Plane mirror 20mm dia.		B-000.12.103
Concave mirror 20 mm dia.		B-000.12.104
Metal tongue-depressor		B-000.12.105
Transilluminator		B-000.12.106
Protective cap for bulb (for mouth illumination)		B-000.12.107

Curved Laryngeal Mirror

Assists examination with improved view of the larynx.



Metal tongue-depressor



Curved Laryngeal Mirror	2.5V	3.5V
complete with plane mirror 20mm dia.	B-001.12.201	B-002.12.201
same, without mirror	B-001.12.208	B-002.12.208
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.062
Plane mirror 20mm dia.		B-000.12.203
Concave mirror 20mm dia.		B-000.12.204
Metal tongue-depressor		B-000.12.205

HEINE mini 3000® Laryngeal Mirror

Can only be used with the mini 3000 handle system.

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



mini 3000 laryngeal mirror	2.5V
with plane mirror 20mm dia, without handle	D-001.77.101
XHL Xenon Halogen spare bulb	X-001.88.057



Tongue-Blade Holder

For wooden tongue-blades



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

Tongue-Blade Holder	2.5V	3.5V
for wooden tongue-blades	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		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 Tongue-Blades.**
- ∴ **Disposable plastic tongue blades.** Strong and hygienic.

Tongue-Blade Holder	2.5V	3.5V
with blade ejector	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 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.



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

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



[01]



[02]



[03]

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491



[04]



[05]

* For more information on the mini NT charger system see page 121.



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.

Multi-purpose Illuminator



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

Multi-purpose Illuminator	2.5V	3.5V
Multi-purpose Illuminator	B-001.12.320	B-002.12.320
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

Fiber Optic Nasal Illuminator



Accessory for Multi-purpose Illuminator.

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

Fiber Optic Nasal Illuminator	B-000.12.321
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Fiber Optic Nasal Illuminator, complete



Fiber Optic Nasal Illuminator	2.5V	3.5V
complete with nasal speculum	B-001.12.322	B-002.12.322
same, with spreadable nasal speculum	B-001.12.323	B-002.12.323
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Nasal speculum for above		B-000.11.220
Spreadable nasal speculum for above		B-000.11.231



HEINE ENT Diagnostic Sets



Set complete with **BETA 100 Diagnostic Otoscope**, 3 reusable specula, tongue-depressor for disposable tongue-blades, straight laryngeal mirror without accessories, spreadable nose speculum and one spare bulb each in hard case with:

ENT Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-244.10.118		
BETA R rechargeable handle		B-244.20.376	B-244.27.376
BETA TR rechargeable handle and transformer		B-244.20.384	B-244.27.384
BETA NT rechargeable handle and NT 300 charger		B-244.20.420	
BETA L rechargeable handle and NT 300 charger			B-244.29.420

Set complete with **K 100 Diagnostic Otoscope**, 3 reusable specula, tongue-depressor and one spare bulb for each instrument in hard case with:



ENT Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	B-241.10.118		
BETA R rechargeable handle		B-241.20.376	B-241.27.376
BETA TR rechargeable handle and transformer		B-241.20.384	B-241.27.384
BETA NT rechargeable handle and NT 300 charger		B-241.20.420	
BETA L rechargeable handle and NT 300 charger			B-241.29.420

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

HEINE ClipLight®

Diagnostic penlight and illuminated tongue-blade holder



ClipLight is a professional diagnostic light and illuminated tongue-blade holder in one. ClipLight switches off automatically when it is put back in the pocket.

- ∴ **Attractive metal finish.** Tough, long-lasting.
- ∴ **Bright, white light.** Ideal conditions for the examination.
- ∴ **For wooden and disposable tongue-blades.** Versatile and practical.

ClipLight	2.5V
ClipLight without tongue-blade holder in blister packaging	D-001.73.150
ClipLight Combi-Set with tongue-blade holder in hard case	D-224.10.150
Spare bulb for ClipLight	X-001.88.094
Box of 100 disposable tongue-blades	B-000.12.304

HEINE mini-c® Clip Lamp

Compact, long-life pocket diagnostic light



Sturdy, long-life pocket diagnostic light in a compact, modern design with chrome head. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb. mini-c Clip Lamp only fits mini-c handles. The mini-c handle is not compatible with mini 3000 instruments. Handle available in black or blue.

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

mini-c Clip Lamp	2.5V
mini-c Clip Lamp in blister pack with 2 AAA batteries [01]	D-001.73.109
mini-c Clip Lamp with Ear Light in blister pack with 2 AAA batteries [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® Clip Lamp

Compact, long-life pocket diagnostic light



Sturdy, long-life pocket diagnostic lights in a compact, modern design with chrome head. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb. Can only be used with the mini 3000 handle system. Handle available in black or blue.

- ∴ **Compact, oval, attractive light.** Lies ergonomically in the hand.
- ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared with conventional bulbs.** Bright, focused light.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed. Shockproof, sturdy, non-slip.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Replaceable batteries.** Size AA.

- ∴ Long-life pocket light
- ∴ 100% more light
- ∴ Switches off automatically
- ∴ Optional rechargeable handle

mini 3000 Clip Lamp	2.5V
mini 3000 Clip Lamp complete with mini 3000 battery handle	D-001.73.131
mini 3000 Clip Lamp head without handle	D-001.73.130
XHL Xenon Halogen spare bulb	X-001.88.107



[01]



[02]



[03]



[04]



[05]

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.



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.

HEINE mini 3000® Combi Lamp

Compact, all purpose illuminator with integrated tongue-blade holder



Sturdy, long-life pocket diagnostic lights in a compact, modern design – in black or blue. Bright, concentrated light thanks to novel XHL Xenon Halogen lens-bulb. Can only be used with the mini 3000 handle system.

- ∴ **Many applications.** Can be used as a general illuminator and as an illuminated tongue-blade holder for wooden blades and HEINE disposable blades.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
- ∴ **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.
- ∴ **Replaceable batteries.** Size AA.

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



[01]



[02]



[03]



[04]



[05]

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.



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.



Slit Illumination Head



- **Solid metal construction.** Will last a lifetime.
- **Fiber optics illumination.** Bright, homogeneous light.
- **Multi-coated, scratch-resistant swivel lens with 2x magnification.** High-resolution image.
- **Slit instrument head.** Simplifies the use of instruments.
- **Double bayonet lock for specula.** Specula mounted firmly by double lock.
- **Simple open construction.** Easy to clean and disinfect with conventional solutions.

Slit Illumination Head	2.5V	3.5V
Slit Illumination Head 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

Long, closed specula



For use with the Slit Illumination Head.

- **Metal construction, chrome-plated.** Easy to clean, disinfect and sterilize.
- **Matt internal surface.** Avoids reflexes.
- **Double bayonet lock for specula.** Firm mounting of specula to head.

Closed specula for Slit Illumination Head

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 use with the Slit Illumination Head.

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

Slit metal specula for Slit Illumination Head

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

Short, closed specula



Ø5,5 mm Ø4,5 mm Ø 3,5mm



Ø2,8 mm Ø 2,2mm

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

Short, closed SANALON S specula for Slit Illumination Head

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

HEINE UniSpec® disposable ear specula for VET Otoscopes

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



Ø2,5mm Ø4 mm



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

UniSpec disposable ear specula (grey)

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

Spreadable speculum for Slit Illumination Head

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

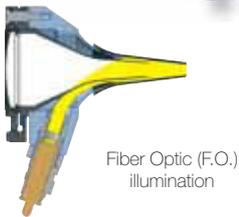


- ∴ For use with the Slit Illumination Head.
- ∴ High-quality, chrome-plated metal construction. Easy to clean, disinfect and sterilize.
- ∴ Distal jaw opens up to 28 mm with 4 click-stops. Useful for examination and therapy.
- ∴ Matt internal surfaces. Avoid reflexes.
- ∴ Oval branches with rounded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

Spreadable speculum for Slit Illumination Head (95 mm long)	G-000.21.360
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HEINE BETA 200® Fiber Optic (F.O.) VET Otoscope



Solid, all-metal construction. A quality instrument for the Vet's office with Fiber Optic (F.O.) illumination. Large diameter viewing-window. 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.
- ∴ **Integrated viewing window swivels to either side.** Provides space for instruments, the window is attached and cannot be mislaid.
- ∴ **Durable metal body, matt chrome-plated.** Unbreakable, long-life.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **For use with reusable SANALONS VET Specula.**

BETA 200 VET Otoscope	2,5V	3,5V
BETA 200 VET Otoscope, without specula	G-001.21.250	G-002.21.250
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

HEINE BETA 100® VET Otokop



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

- ∴ **All-metal housing.** Exceptionally-tough and long-lasting.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large, scratch-resistant glass viewing window with 2.5x magnification.** Unobstructed view, distortion-free image.
- ∴ **Can be used with UniSpec ear specula (no adaptor required).** Versatile, useful for very small animals.

BETA 100 VET Otoscope	2,5V	3,5V
BETA 100 VET Otoscope head, without specula	G-001.21.260	G-002.21.260
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049
Adaptor for VET specula [01]		G-000.21.214
Adaptor for AllSpec specula [02]		B-000.11.306

Reusable VET specula



9mm dia. 6mm dia. 4mm 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.** Atraumatic.
- **Convenient fixation system.** Positive fit to otoscope head.

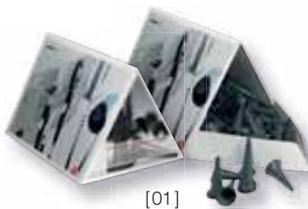
Reusable SANALON S specula for BETA200 VET Otoscope

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

HEINE AllSpec® Disposable tips



Ø 2,5mm Ø 4 mm



[01]



[02]

- **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 BETA200, K180, mini 3000, mini 3000 F.O. Otoscopes

Pack of 1000 pcs. 2.5 mm dia. (infants)	B-000.11.128
Pack of 1000 pcs. 4 mm dia. (adults)	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)	B-000.11.150
AllSpec Tip-dispenser [02]	B-000.11.148

The right size, visible and instantly available. A clean new tip for each and every patient.

Insufflation Bulb



- **For pneumatic testing.**

Insufflation bulb	B-000.11.240
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HEINE Veterinary Diagnostic Sets

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



Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	G-112.10.118		
BETA R rechargeable handle		G-112.20.376	G-112.27.376
BETA TR rechargeable handle and transformer		G-112.20.384	G-112.27.384
BETA NT rechargeable handle and NT 300 charger		G-112.20.420	
BETA L rechargeable handle and NT 300 charger			G-112.29.420

Set complete: **Slit illumination head, BETA 200 Ophthalmoscope**, 1 set long, closed specula (57 x 4 mm, 65 x 6 mm, 90 x 7 mm), 1 spare bulb for each instrument, in hard case with:



Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	G-148.10.118		
BETA R rechargeable handle		G-148.20.376	G-148.27.376
BETA TR rechargeable handle and transformer		G-148.20.384	G-148.27.384
BETA NT rechargeable handle and NT 300 charger		G-148.20.420	
BETA L rechargeable handle and NT 300 charger			G-148.29.420

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

HEINE Veterinary Diagnostic Sets



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

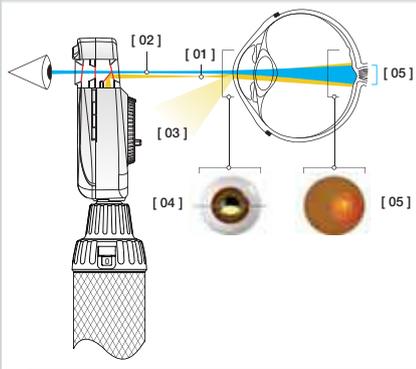
Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	G-150.10.118		
BETA R rechargeable handle		G-150.20.376	G-150.27.376
BETA TR rechargeable handle and transformer		G-150.20.384	G-150.27.384
BETA NT rechargeable handle and NT 300 charger		G-150.20.420	
BETA L rechargeable handle and NT 300 charger			G-150.29.420



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

Veterinary Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	G-151.10.118		
BETA R rechargeable handle		G-151.20.376	G-151.27.376
BETA TR rechargeable handle and transformer		G-151.20.384	G-151.27.384
BETA NT rechargeable handle and NT 300 charger		G-151.20.420	
BETA L rechargeable handle and NT 300 charger			G-151.29.420

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



Patented¹⁾ “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.

¹⁾US Pat. 4.963.014

HEINE Direct Ophthalmoscopes



	BETA 200 S	BETA 200	BETA 200 M2	K 180 Opt. 1	K 180 Opt. 2	mini3000
Optical System						
Aspherical	<input type="checkbox"/>					
Conventional	<input type="checkbox"/>					
Apertures						
•	<input type="checkbox"/>					
●	<input type="checkbox"/>					
●	<input type="checkbox"/>					
●	<input type="checkbox"/>					
*	<input type="checkbox"/>					
☼	<input type="checkbox"/>					
	<input type="checkbox"/>					
◐	<input type="checkbox"/>					
●	<input type="checkbox"/>					
Red free filter for all apertures						
Corrective lenses						
Range	- 36 to +38	- 35 to +40	- 20 to +20			
Number of Lenses	74	28	28	28	28	18
1 D Steps	<input type="checkbox"/>					
Dust protection						
Dustproof	<input type="checkbox"/>					
Dust protected	<input type="checkbox"/>					
Metal chassis	<input type="checkbox"/>					
Instrument size						
Professional	<input type="checkbox"/>					
Compact	<input type="checkbox"/>					
Available Power Sources						
Battery 2,5V	<input type="checkbox"/>					
Rechargeable battery 2,5V	<input type="checkbox"/>					
Rechargeable battery 3,5V	<input type="checkbox"/>					
Page	041	042	042	045	045	046

HEINE BETA 200 S® Ophthalmoscope

Superior aspherical optics and 74 single-diopter steps



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

- ∴ **Unique optical system.** HEINE optimizes the Gullstrand principle with aspherical optics (separation of illumination and observation beam). Corneal and iris reflexes are eliminated. A full view is guaranteed even with small pupils.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light.
- ∴ **Recessed, multi-coated viewing window.** Avoids stray light.
- ∴ **Dustproof housing.** Maintenance-free.
- ∴ **Optics mounted on precision metal chassis.** Durable, precise.
- ∴ **Ergonomic shape.** Instrument fits the orbita comfortably in any position.
- ∴ **Soft orbital support.** Protects the users' glasses and steadies the instrument.
- ∴ **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.
- ∴ **Lens range:** Perfect focus even with high refractive errors.

74 single diopter steps
 + in 1 D steps: +1 through +38 D
 - in 1 D steps: -1 through -36 D

BETA 200 S Ophthalmoscope	2.5V	3.5V
BETA 200 S Ophthalmoscope	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 co-ordinates, 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



HEINE BETA 200® Ophthalmoscope

The ophthalmoscope with superior aspherical optics



The ophthalmoscope with unique aspherical optics and all the features of the BETA200S, except for the macula aperture/pinhole and the following lens range:

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

BETA200 Ophthalmoscope	2.5V	3.5V
BETA200 Ophthalmoscope	C-001.30.100	C-002.30.100
BETA200 M2 Ophthalmoscope like BETA200, except with fixation star aperture without polar co-ordinates 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 co-ordinates, cobalt blue filter, large spot, small spot, hemispherical spot



With red-free filter

BETA 200 M2 apertures



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



With red-free filter

HEINE BETA 200®/200S® Ophthalmological Diagnostic Sets

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



BETA200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-261.10.118		
BETA R rechargeable handle		C-261.20.376	C-261.27.376
BETA TR rechargeable handle and transformer		C-261.20.384	C-261.27.384
BETA NT rechargeable handle and NT300 charger		C-261.20.420	
BETA L rechargeable handle and NT 300 charger			C-261.29.420

Set complete with **BETA200 Ophthalmoscope**, 1 spare bulb in hard case with:



BETA200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-144.10.118*		
BETA R rechargeable handle		C-144.20.376	C-144.27.376
BETA TR rechargeable handle and transformer		C-144.20.384	C-144.27.384
BETA NT rechargeable handle and NT300 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.

HEINE BETA 200®/200 S® Ophthalmological Diagnostic Sets



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

BETA 200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-262.10.118		
BETA R rechargeable handle		C-262.20.376	C-262.27.376
BETA TR rechargeable handle and 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 in hard case with:

BETA 200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-145.10.118*		
BETA R rechargeable handle		C-145.20.376	C-145.27.376
BETA TR rechargeable handle and 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

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

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



HEINE DiagnosticS ets

Set complete: **BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope**,
1 set of reusable tips, 10 disposable tips and one spare bulb each
in hard case with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-132.10.118		
BETA R rechargeable handle		A-132.20.376	A-132.27.376
BETA TR rechargeable handle and 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

As A-132 above, but with multi-purpose illuminator with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-134.10.118		
BETA R rechargeable handle		A-134.20.376	A-134.27.376
BETA TR rechargeable handle and transformer		A-134.20.384	A-134.27.384
BETA NT rechargeable handle and NT 300 charger		A-134.20.420	
BETA L rechargeable handle and NT 300 charger			A-134.29.420

Set complete: **BETA 200 Ophthalmoscope, BETA 100 Diagnostic Otoscope**,
1 set of reusable specula, 10 disposable specula and one spare bulb each in hard
case with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-234.10.118		
BETA R rechargeable handle		A-234.20.376	A-234.27.376
BETA TR rechargeable handle and 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.

HEINE K 180® Ophthalmoscope

The standard direct ophthalmoscope



∴ Reduces corneal reflex

∴ Dust-resistant

A full featured instrument at an economical price.

- ∴ **Precision HEINE optics.** Brilliant retinal image.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light. Clear retinal image.
- ∴ **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.**
- ∴ **28 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

K 180 Ophthalmoscope	2,5V	3,5V
K 180 Ophthalmoscope with aperture wheel 1	C-001.30.206	C-002.30.206
K 180 Ophthalmoscope with aperture wheel 2 with cobalt blue filter	C-001.30.207	C-002.30.207
XHL Xenon Halogen spare bulb	X-001.88.084	X-002.88.086

K 180 apertures



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



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

HEINE K 180® Diagnostic Sets

Set complete with **K 180 Ophthalmoscope**, in standard version with aperture wheel 1 in soft pouch with:



K 180 Ophthalmological Sets	2,5V	3,5V (NiMH)	3,5V
BETA battery handle	C-182.10.118		
BETA R rechargeable handle		C-182.20.376	C-182.27.376
BETA TR rechargeable handle and transformer		C-182.20.384	C-182.27.384
BETA NT rechargeable handle and NT 300 charger		C-182.20.420	
BETA L rechargeable handle and NT 300 charger			C-182.29.420

Set complete: **K 180 Ophthalmoscope**, in standard version with aperture wheel 1, **K 180 Oscope** and 1 set of reusable tips in hard case with:



K 180 Diagnostic Sets	2,5V	3,5V (NiMH)	3,5V
BETA battery handle	A-279.10.118		
BETA R rechargeable handle		A-279.20.376	A-279.27.376
BETA TR rechargeable handle and 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



HEINE mini 3000® Ophthalmoscope

Pocket Ophthalmoscope



Top quality ophthalmoscope with fixation star aperture in pocket format. Quality optics in mini-format. Ideal for rounds and house calls. Can only be used with the mini 3000 handle system.

- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20.000 switch cycles guaranteed.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Enhanced XHL Xenon Halogen Technology.** Concentrated white light for perfect illumination and a brilliant image.
- ∴ **5 different apertures.** A full-function instrument incl. fixation star.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Replaceable batteries.** Size AA.
- ∴ **Range of lenses: - 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

- ∴ Modern pocket instrument
- ∴ Dust-resistant
- ∴ Switches off automatically
- ∴ Optional rechargeable handle

mini 3000 Ophthalmoscope	2.5V
with mini 3000 Battery Handle	D-001.71.120
mini 3000 Ophthalmoscope without handle	D-001.71.105
XHL Xenon Halogen spare bulb	X-001.88.106



[01]



[02]



[03]

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger* set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485



[04]



[05]

mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

mini 3000 apertures



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



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.

HEINE mini 3000® Diagnostic Sets



Set D-852 complete with **mini 3000 Ophthalmoscope** in hard case with:

	2.5V
mini 3000 battery handle with batteries	D-852.10.021



Set D-873 complete with **mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope**, 1set = 4 reusable tips, 5 each of 2.5 and 4 mm dia. AllSpec disposable tips, in hard case:

	2.5V
with 2 mini 3000 battery handles with batteries	D-873.11.021
as D-873 but with mini 3000 Otoscope	D-873.21.021

NEW!



[01]



[02]



[03]

mini NT charger* set for mini 3000	2,5V
mini NT charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485

Rechargeable battery NiMH 2Z [02]	X-001.99.487
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[04]



[05]

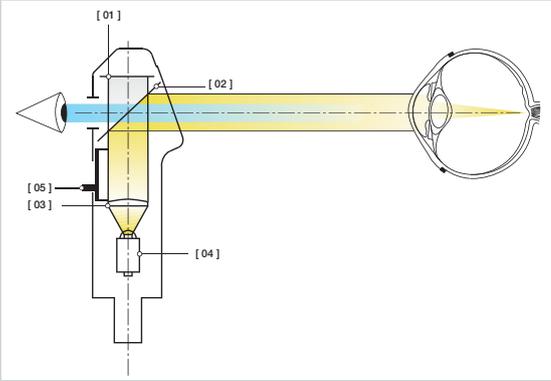
mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



All handles are fitted with batteries (IEC LR 6 AA size). Please order spare bulbs separately. The mini 3000 instruments in these sets 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 ParaStop® and polarisation filter

The BETA200 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.

- [01] Polarisation filter: eliminates internal reflex and stray light.
- [02] Semi-reflector mirror: Simultaneous illumination and observation. Reflected light from the retina enters the examiner's eye.
- [03] Condensor lens adjustable by a single control sleeve: Produces a divergent, convergent or parallel beam of light.
- [04] A special retinoscope bulb rotates for diagnosis of the cylinder axis.
- [05] ParaStop simplifies and speeds up the precise detection of cylinder axis.

HEINE BETA 200® Retinoscopes with HEINE ParaStop®

HEINE ParaStop® for total precision in selecting a parallel beam



- ∴ **ParaStop (US Pat. 5,859,687).** Precise, easy selection of a parallel beam.
- ∴ **Dustproof.** Maintenance-free.
- ∴ **Single control for vergence and rotation.** Comfortable operation.
- ∴ **Integrated polarisation filter.** Eliminates stray light and internal reflexes for a brighter pupilling reflex.
- ∴ **Streak or spot Retinoscope.** Simply by changing the bulb.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light. Bright fundus reflex, easy recognition of neutralization point.
- ∴ **Metal controls.** Long-lasting.
- ∴ **Orange filter (optional).** Reduces patient dazzle without affecting the fundus reflex.
- ∴ **Ergonomic shape.** Protects the examiner's orbita from stray light.
- ∴ **Holder for fixation cards (optional).** For dynamic retinoscopy.
- ∴ **Detachable brow rest.** Increased comfort and control during examination.

BETA 200 Streak Retinoscope	2.5V	3.5V
with XHL Xenon Halogen bulb	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 light-sensitive patients		C-000.15.359
Fixation cards with holder for dynamic retinoscopy		C-000.15.360

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

HEINE Ophthalmological Diagnostic Sets

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



BETA 200 Retinoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-034.10.118*		
BETA R rechargeable handle		C-034.20.376	C-034.27.376
BETA TR rechargeable handle and transformer		C-034.20.384	C-034.27.384
BETA NT rechargeable handle and NT 300 charger		C-034.20.420	
BETA L rechargeable handle and NT 300 charger			C-034.29.420

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



BETA Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-262.10.118*		
BETA R rechargeable handle		C-262.20.376	C-262.27.376
BETA TR rechargeable handle and 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

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

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



HEINE HSL 150® Hand-held Slit Lamp

For the examination of the anterior segment



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

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

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

∴ Continuous slit adjustment

∴ Blue filter

∴ Ideal for domiciliary visits

HEINE HSL 10x® Loupe Attachment

Loupe attachment with 10x magnification



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

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

HSL 10x Loupe Attachment	C-000.14.606
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HEINE HSL 150® Hand-held Slit Lamp Sets

Set complete with HSL 150 and **BETA SLIM handle** (compact) with:



Hand-held Slit Lamp Sets	2.5V	3.5V
BETA SLIM battery handle, in soft pouch, without spare bulb	C-252.10.105	
same, with HSL 10x Loupe Attachment, spare bulb, in hard case	C-268.10.105	
BETA SLIM rechargeable handle and NT 300 charger, spare bulb, in hard case		C-266.20.470
same, with HSL 10x Loupe Attachment, in hard case		C-268.20.470

Set complete with HSL 150, spare bulb and **BETA handle** (standard size), in hard case with:



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

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

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



HEINE LAMBDA 100® Retinometer

For assessing potential visual acuity



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

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

Three simple steps to potential acuity assessment with LAMBDA 100

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



LAMBDA 100 Retinometer	2.5V	3.5V
LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2)	C-001.35.015	C-002.35.015
LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1)	C-001.35.010	C-002.35.010
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Patient card		C-000.35.005

LAMBDA 100

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



0°
Visus = 0.5 $\left(\frac{20}{40}\right)$



45°
Visus = 0.32 $\left(\frac{20}{60}\right)$



90°
Visus = 0.06 $\left(\frac{20}{300}\right)$

HEINE LAMBDA 100® Retinometer Sets



Set C-187 complete with **LAMBDA 100 Retinometer**, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case with:

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-187.10.118		
BETA R rechargeable handle		C-187.20.376	C-187.27.376
BETA TR rechargeable handle and transformer		C-187.20.384	C-187.27.384
BETA NT rechargeable handle and NT 300 charger		C-187.20.420	
BETA L rechargeable handle and NT 300 charger			C-187.29.420

Set C-189 complete with **LAMBDA 100 Retinometer**, acuity scale 20/300 to 20/25 (scale 2), patient card and spare bulb in hard case with:

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-189.10.118		
BETA R rechargeable handle		C-189.20.376	C-189.27.376
BETA TR rechargeable handle and transformer		C-189.20.384	C-189.27.384
BETA NT rechargeable handle and NT 300 charger		C-189.20.420	
BETA L rechargeable handle and NT 300 charger			C-189.29.420

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



HEINE Focalux®



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

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

Focalux	2.5V	3.5V
Focalux with lens attachment	C-001.14.102	C-002.14.102
XHL Xenon Halogen spare bulb	X-001.88.039	X-002.88.091
Swivel lens attachment + 3D only		C-000.14.109

HEINE mini 3000F ocalux®



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

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

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



[01]



[02]



[03]

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485



[04]



[05]

mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

Ophthalmic Examination Lamp



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

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

Ophthalmic Examination Lamp	2.5V	3.5V
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Ophthalmic Examination Lamp	C-001.14.400	C-002.14.400
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XHL Xenon Halogen spare bulb	X-001.88.032	X-002.88.047
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Aperture combination



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

HEINE Finoff Transilluminator



For scleral transillumination.

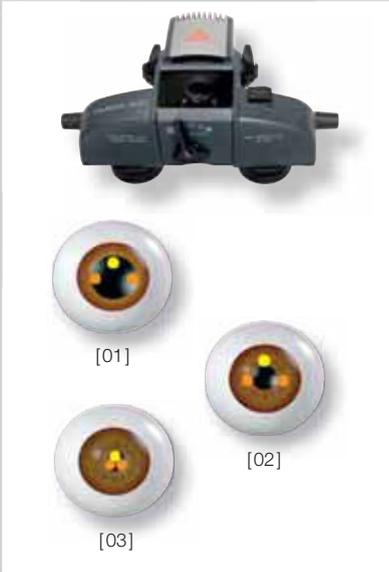
- ∴ **Cobalt blue filter accessory for 3.5V version.** Suitable for fluorescence examinations.

Finoff Transilluminator	2.5V	3.5V
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Finoff for scleral transillumination, complete	C-001.17.080	C-002.17.080
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XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
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Cobalt blue filter for 3.5V Finoff		C-000.17.081
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Synchronized Convergence and Parallax Adjustment System

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

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

HEINE IndirectO phthalmoscopes



	Convergence and Parallax Adjustment				
Synchronised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Separate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Apertures				
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
•	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diffusor	<input type="checkbox"/>	<input type="checkbox"/>	optional	optional	optional
	Filters				
●	<input type="checkbox"/>	<input type="checkbox"/>	optional	optional	optional
●	<input type="checkbox"/>	<input type="checkbox"/>	optional	optional	optional
●	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Versions				
Headband	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-Frame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teaching mirror	optional	<input type="checkbox"/>	optional	optional	optional
	Brightness control				
On the Instrument	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
On the power source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mobile power supply				
Headband-battery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
mPack	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stationary power supply				
Table- or / wall unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transformer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Page	057	060	062	062	062

HEINE OMEGA 500® Binocular Indirect Ophthalmoscope

A new Dimension in Comfort, Performance and Flexibility



The evolution of the Binocular Indirect Ophthalmoscope. Patented “**Synchronized Adjustment of Convergence and Parallax**” for high quality, stereoscopic fundus images through any pupil size.

- ∴ Built on the **market-leading optical performance** of the OMEGA 180, the OMEGA 500 has been optimized for even better views of the fundus. Multi-coated illumination system, featuring a new XHL Xenon Halogen Technology bulb, reduces corneal reflexes and ensures clear, high-resolution images of the fundus which are up to 100% brighter.
- ∴ **Enhanced Small Pupil Function** – the Patented “Synchronized Adjustment of Convergence and Parallax System” (US.Patent # 4,684,227), which allows for the precise selection of observation and illumination optics for any pupil size, has been optimized for even better functionality in small pupils down to 1.0mm.
- ∴ **Registered Design.**

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.

∴ For any pupil size

∴ Patented Synchr. Adjustment

∴ Exceptionally light

∴ Dust proof



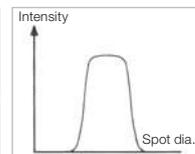
Separate fine-tuning of the illumination beam $\pm 4^\circ$ in addition to synchronized convergence and parallax adjustment.



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



Arrangement and positioning of all adjustment controls ensure intuitive functionality. Dustproof housing and aluminium chassis assure durability and reliability.



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.

HEINE OMEGA 500® Headband



- ∴ **Articulating Hinge** provides vertical adjustment of the rear band of the headband for individual placement. Secure and perfect fit for all shapes and sizes.
- ∴ **New Ergonomic design** for optimal weight transfer across the surface of the entire headband (no pressure points).
- ∴ **New softer, more 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.**

Technical Specifications:

- ∴ **HC50 Headband Rheostat:** Easily mounted on the left or right sides of the headband.
- ∴ **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.
- ∴ **Mechanically reinforced adjustment mechanisms:** For durability and precise adjustment of the headband.



HEINE OMEGA 500® Binocular Indirect Ophthalmoscope

Optimum performance and quality



[01]



[02]



[03]

OMEGA 500 Ophthalmoscope	6V
OMEGA 500 with XHL Xenon Halogen bulb (5W) on Headband (not including HC 50 Headband Rheostat)	C-004.33.500
same, with HC 50 Headband Rheostat	C-004.33.502
XHL Xenon Halogen spare bulb 6V, 5W, standard equipment	X-004.88.111
XHL Xenon Halogen spare bulb 6V, 10W, optional for twice the brightness (reduces operating time)	X-004.88.104
Extension Cord Cinch-Cinch, 2m [01]	X-000.99.207
Connecting Cord UNPLUGGED-Cinch to EN 50/mPack/transformer HC 50, 1,6m [02]	X-000.99.667
HC 50 Headband Rheostat (without transformer)	X-095.16.323
Transformer for HC 50 headband brightness control	X-095.16.320
Teaching mirror [03]	C-000.33.209

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.

OMEGA 500 Kits	6V
Consisting of OMEGA 500, HC 50 Headband Rheostat mounted on Headband	
Kit 1: with Transformer	C-004.33.531
Kit 2: with EN 50 complete (incl. EN 50 Rheostat Control Module, Extension Cord Cinch-Cinch 2m, 90° Angled Adaptor, Instrument Support)	C-004.33.532
Kit 3: with mPack and Transformer (incl. 90° Angled Adaptor)	C-004.33.533
Kit 4: with EN 50-m (incl. mPack, 90° Angled Adaptor, Instrument Support)	C-004.33.534

HEINE OMEGA 500® Sets



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

OMEGA 500 Sets	6V
HC 50 Headband Control with plug-in transformer	C-275.40.320
EN 50 with Rheostat Control Module , HC 50 Headband Control (incl. 90° Angled Adapter, 2m Extension Cord Cinch-Cinch, Instrument Support)	C-275.40.300
EN 50-m with mPack , HC 50 Headband Control (incl. 90° Angled Adapter, 2m Extension Cord Cinch-Cinch, Instrument Support)	C-275.40.302
mPack with plug-in transformer , HC 50 Headband Control (incl. 90° Angled Adapter)	C-275.40.670

HEINE OMEGA 500® UNPLUGGED

with headband battery (rechargeable) - mPack UNPLUGGED



∴ 100 % freedom of movement

∴ Low weight

∴ Charge status indicator

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. In addition, the OMEGA 500 with mPack UNPLUGGED is the lightest indirect ophthalmoscope of its kind on the market!

- ∴ **Rechargeable battery integrated on the headband.** No interfering cable connections.
- ∴ **Lightweight with balanced weight distribution.** High level of comfort. Lightweight and compact.
- ∴ **charge status indicator.** indication 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.
- ∴ **mPack Unplugged rechargeable battery.** Operating time 2 hours (with standard lamp 6V, 5W).
- ∴ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit). Battery-friendly charging.
- ∴ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology (selected non-flammable materials). UL-compliant.
- ∴ **System compatibility with mPack** for even greater capacity.



OMEGA 500 UNPLUGGED Kits	6V
Consists of OMEGA 500, HC 50 headband Control, XHL Xenon Halogen bulb 5W:	
Kit 5: with plug-in Transformer Unplugged, 1 x mPack UNPLUGGED	C-004.33.535
Kit 6: with Wall unit EN50 Unplugged, 2x mPack UNPLUGGED	C-004.33.536

XHL Xenon Halogen Spare bulb 6V, 5W, standard	X-004.88.111
XHL Xenon Halogen Spare bulb 6V, 10W, optional for twice the brightness (reduces operating time)	X-004.88.104
Extension Cord UNPLUGGED-UNPLUGGED, 2 m	X-000.99.668

HEINE OMEGA 500® UNPLUGGED Set



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

OMEGA 500 UNPLUGGED Set	6V
mPack UNPLUGGED and plug-in transformer UNPLUGGED	C-282.40.670



HEINE OMEGA 200® Indirektes Binokulares Ophthalmoskop

Head-worn Indirect Ophthalmoscope with integrated teaching mirrors

The instrument of choice for teaching and operating rooms.



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

OMEGA 200 Ophthalmoscope	6V
OMEGA200 with XHL Xenon Halogen bulb and connecting cord (160 cm)	C-004.33.210

XHL Xenon Halogen spare bulb	X-004.88.068
Extension Cord Cinch-Cinch, 2 m	X-000.99.207



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



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



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



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



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

HEINE OMEGA 200® Sets



Set complete with **OMEGA 200 Head worn Indirect Ophthalmoscope**, 1 Scleral depressor large, 1 Scleral depressor small, A.R. 20D Ophthalmoscopy-lens, Pad with 50 fundus charts, 1 spare bulb, in hard case with:

	6V
EN 15 transformer with brightness control	C-162.40.300
EN 50 with Rheostat Control Module (incl. 90° Angled Adapter, 2m Extension Cord Cinch-Cinch, Instrument Support)	C-276.40.300
EN 50-m with mPack (incl. 90° Angled Adapter, Instrument Support)	C-276.40.302
mPack with plug-in transformer (incl. 90° Angled Adapter)	C-276.40.670

HEINE VideoO MEGA2C®

Binocular Indirect Video Ophthalmoscope

The only Binocular Indirect Video Ophthalmoscope on the market designed from the ground up for video application. Ideally suited for teaching, research, patient clarification, digital patient history, and telemedicine.



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



Monitor not included.

Video OMEGA2C Sets	
Complete with headband, A-Cam camera and processor, Video cable, S-VHS cable, EN 50 with Rheostat Control Module, extension Cord Cinch-Cinch 2 m, replacement bulb, large and small scleral depressors, AR 20 D lens, and carrying case.	C-175.40.618
Video OMEGA2C, Optics, headband and bulb, without accessories.	C-004.33.214
Instrument with C-Mount, without A-Cam camera and processor.	C-004.33.212
Video OMEGA2C, Optics, headband and bulb, without accessories. Instrument with A-Cam camera and processor.	C-000.33.223
A-Cam camera with processor (available systems: PAL or NTSC, please specify when ordering).	

More information available on request.



HEINE SIGMA 150® Binocular Indirect Ophthalmoscope

Ophthalmoscope for spectacle and headband, US Pat. 5,815,241

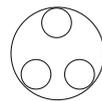


The Spectacle Indirect Ophthalmoscope for any pupil size. Two separate controls let you select the **ideal setting for parallax and convergence to suit any pupil**. The illumination beam can be adjusted by $\pm 3^\circ$ to eliminate reflexes.

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

- ∴ Ultra light
- ∴ For any pupil size
- ∴ Dust proof

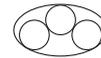
Simplified diagram of various beam configurations: Large pupil – small pupil – peripheral view



Large pupil



Small pupil



Peripheral view



S-Frame:
For more Information see page 102.



SIGMA 150	6V
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with S-Frame spectacle frame, retaining cord, cleaning fluid, without power source (mPack)	C-004.33.350
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SIGMA 150 M2	
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same as SIGMA 150, but with a small pinhole aperture, with S-Frame spectacle frame, retaining cord, cleaning fluid, without power source (mPack)	C-004.33.355
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SIGMA 150 K	
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The SIGMA 150 as Head-worn Indirect Ophthalmoscope. Comfortable headband with soft cushions, adjustable for height and width, without headband brightness control, without power source (mPack)	C-004.33.325
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SIGMA 150 KC	
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like the SIGMA 150K, except with transformer E8 and brightness control directly on the headband	C-004.33.342
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SIGMA 150 K M2	
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same as SIGMA 150K, but with a small pinhole aperture, without power source (mPack)	C-004.33.335
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[01]



[02]

S-Frame for SIGMA 150 and 150M2 Indirect Ophthalmoscope	C-000.33.036
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Teaching mirror [01]	C-000.33.302
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Blue filter	C-000.33.313
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Yellow filter	C-000.33.314
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Diffusor	C-000.33.315
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Case for filters, empty [02]	C-000.33.316
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XHL Xenon Halogen spare bulb 6V/5W	X-004.88.093
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HEINE SIGMA 150® Sets



Set complete with **SIGMA 150 or 150 M2 Spectacle Indirect Ophthalmoscope**, (specify when ordering), with S-Frame, 1 Scleral depressor large, 1 Scleral depressor small, A.R. 20 D Ophthalmoscopy-lens, Teaching mirror, cobalt blue filter, yellow filter, diffusor and 1 spare bulb, in carrying-case with:

mPack with plug-in transformer (incl. 90° Angled Adapter)	C-281.40.670
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Set complete with **SIGMA 150 K Head-worn indirect Ophthalmoscope**, 1 Scleral depressor large, 1 Scleral depressor small, A.R. 20 D Ophthalmoscopy-lens, Teaching mirror, cobalt blue filter, yellow filter, diffusor and 1 spare bulb, in hard case with:

EN50 with Rheostat Control Module (incl. 90° Angled Adapter, 2m Extension Cord, Instrument Support)	C-278.40.300
EN50-m with mPack (incl. 90° Angled Adapter, 2 m Extension Cord, Instrument Support)	C-278.40.302
mPack with plug-in transformer (incl. 90° Angled Adapter)	C-278.40.670



Hand-held Indirect Ophthalmoscope, MONOCULAR



[01]

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

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

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

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

Monocular Hand-held Indirect Ophthalmoscope	3.5V	6V
with + 3 D lens attachment and orbit rest extension	C-002.33.001	C-004.33.001

XHL Xenon Halogen spare bulb	X-002.88.050	X-004.88.081
+ 3 D lens attachment only [01]		C-000.33.101
Orbit rest extension only		C-000.33.104

Hand-held Indirect Ophthalmoscope, BINOCULAR



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

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

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

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

BINOCULAR Hand-held Indirect Ophthalmoscope	3.5V	6V
with + 3 D lens attachment and orbit rest extension	C-002.33.002	C-004.33.002

XHL Xenon Halogen spare bulb	X-002.88.050	X-004.88.081
Binocular attachment only		C-000.33.106

HEINE A.R.® Aspheric Ophthalmoscopy Lenses



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

Ophthalmoscopy Lens

with case

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

HEINE Aspheric Ophthalmoscopy Lenses



- ∴ **Aspheric surfaces.** Reduced distortion of the periphery.
- ∴ **Triple-coated.** Reduced reflection, good light transmission.
- ∴ **Moulded crown glass.** Excellent value.

Ophthalmoscopy Lens

with case

16D, 50 mm dia.	C-000.17.210
20D, 50 mm dia.	C-000.17.206
30D, 40 mm dia.	C-000.17.213

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.** F = 18mm. 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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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 holder accepts up to two trial lenses. The cyl. 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 cyl. determination.
- ∴ **Diameter of pupil variable:** 2, 3, 4, 5, 6, 8mm.
- ∴ **Optics:** Optical glass achromatic lens F = 32mm.
- ∴ **Trainer body made of metal:** Extremely stable and durable.
- ∴ **Angle of examination variable.**

Model Eye Skia/Retinoscope Trainer	C-000.33.011
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Scleral-Depressor



Scleral-Depressor, large	C-000.17.300
Scleral-Depressor, small	C-000.17.301

Fundus-Charts



Fundus-Charts , Pad with 50 pcs.	C-000.33.208
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Combi-Case



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	C-079.03.000
Hard case (not shown)	C-079.00.000

HEINE introduces the „+“ range of **F.O. blades** with HEINE HiLite® Fiber Optic bundle and the state of the art HEINE XHL® Xenon Halogen bulbs in the Handle.

The innovative HEINE HiLite® Fiber Optic bundle with up to 100 % more cross-section improves light transmission and makes the blade more resistant to autoclaving than ever.

HEINE offers a 5-year guarantee* on all blades with HEINE HiLite® fibers. HEINE XHL® Xenon Halogen bulbs incorporate the latest Xenon Halogen Technology to give you up to 40 % more light! All HEINE F.O.+ laryngoscope systems offer exceptional value for money and effectively save money for you.

HEINE XHL® Xenon Halogen 3.5V bulbs last up to twice as long as 2.5V bulbs and give up to three times the light of conventional 2.5 V Halogen laryngoscopes bulbs. HEINE 3.5V systems use a long-lasting 3.5V rechargeable battery which avoids the need to replace non-rechargeable batteries at frequent intervals.

HEINE F.O. laryngoscope blades and handles are compatible with the ISO 7376 (green standard).

* 4000 standard autoclave cycles of 134°C/5 min. with more than 1000 lux.

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

Innovative Fiber Optic Technology for advanced performance



- ⋄ **HEINE HiLite® fiber bundle** with 4.3mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ⋄ **HEINE XHL® Xenon Halogen Technology** for up to 40 % more light than conventional halogen bulbs.
- ⋄ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years***.
- ⋄ 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.
- ⋄ **Both ends of the large fiber bundle (4.3 mm Ø)** are protected – for life.
- ⋄ **2.5V battery or 3.5V rechargeable power** for even more light.
- ⋄ **Compatible with all handles** to the ISO 7376 (green standard).

* 4000 standard autoclave cycles of 134°C/5min. 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	82mm	9mm	F-000.22.100
Mac 1	93mm	11mm	F-000.22.101
Mac 2	115mm	13mm	F-000.22.102
Mac 3m**	135mm	15mm	F-000.22.143
Mac 3	135mm	15mm	F-000.22.103
Mac 4	155mm	15mm	F-000.22.104
Mac 5	176mm	15mm	F-000.22.105

** stronger curve



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

Innovative Fiber Optic Technology for advanced performance

Miller Classic+ F.O. laryngoscopes with the new, greatly-improved blade shape.



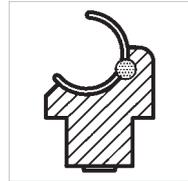
- ∴ **The Miller Classic+ F.O. blades with improved geometry simplify intubation.** The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE XHL® Xenon Halogen Technology** for up to 40% more light than conventional halogen bulbs.
- ∴ **HEINE guarantees** all blades with HiLite fiber bundles for **5 years***.
- ∴ 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.
- ∴ Both ends of the **fiber bundle** are protected – for life.
- ∴ **2.5V battery or 3.5V rechargeable power** for even more light.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neo-nates and infants.

* 4000 standard autoclave cycles of 134 °C/5min. with more than 1000 lux.

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



Miller 2 end-view



WIS 2 end-view



Paed 1 end-view



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

Size	Overall length	Distal width	
Miller 00 <small>(not shown)</small>	76mm	9.5mm	F-000.22.119
Miller 0	80mm	10.5mm	F-000.22.120
Miller 1	100mm	11.5mm	F-000.22.121
Miller 2	152mm	13mm	F-000.22.122
Miller 3	192mm	13mm	F-000.22.123
Miller 4	207mm	15.9mm	F-000.22.124
WIS 1	110mm	13mm	F-000.22.131
WIS 2	130mm	16mm	F-000.22.132
WIS 3	160mm	16mm	F-000.22.133
Paed 0	82mm	12mm	F-000.22.110
Paed 1	95mm	13mm	F-000.22.111

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

With easy-to-remove Fiber Optic Light Module



Mac Modular+ F.O. laryngoscope blades (US Pat. 6,139,491): 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.
- ∴ **HEINE XHL® Xenon Halogen Technology** for up to 40% more light than conventional halogen bulbs.
- ∴ **5 years warranty***.
- ∴ **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).

* 4000 standard autoclave cycles of 134°C/5 min. with more than 1000 lux.



Mac 3 F.O. Modular+ blade, complete



Mac 3 Blade module, metal



Mac 3 F.O. Light module

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

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



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

With easy-to-remove Fiber Optic Light Module



Miller Modular+ F.O. laryngoscope blades (US Pat. 6,666,819/DE 10125389): 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.
- ∴ **HEINE XHL® Xenon Halogen Technology** for up to 40% more light than conventional halogen bulbs.
- ∴ **5 years warranty***.
- ∴ Blade with **quickly-detachable fiber optic light module**.
- ∴ **Blade and light modules both autoclavable up to 134 °C/5 min.**
- ∴ The ideal position of the fiber optic bundle **eases intubation**.
- ∴ **High light output**.
- ∴ **Economical** modular design.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).

* 4000 standard autoclave cycles of 134 °C/5 min. with more than 1000 lux.



Miller 2 F.O. Modular+ blade, complete



Miller 2 blade module, metal



Miller 2 F.O. Light module

Dimensions	Overall length	Distal width
Miller 0	76mm	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	F-000.22.510	F-000.22.540	F-000.22.570
Miller 1	F-000.22.511	F-000.22.541	F-000.22.571
Miller 2	F-000.22.512	F-000.22.542	F-000.22.572
Miller 3	F-000.22.513	F-000.22.543	F-000.22.573
Miller 4	F-000.22.514	F-000.22.544	F-000.22.573

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

A useful Tip for a difficult intubation



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

- ∴ **HEINE HiLite® fiber bundle.** With a 4.3mm dia. and up to 6500 individual micro-fibers for improved light transmission and longer life.
- ∴ **HEINE XHL® Xenon Halogen Technology.** For up to 40% more light than conventional halogen bulbs.
- ∴ **Swivelling blade tip facilitates difficult intubation.**
- ∴ **Reduced likelihood of damage** to teeth and soft tissue.
- ∴ **Integrated Fiber Optics for the best possible illumination.**
- ∴ **High quality stainless steel construction.**
- ∴ **Autoclavable.**
- ∴ **Fits all standard F.O. handles** (green standard). Exception: F.O. angled handle.

FlexTip+ F.O. Laryngoscope Blade

in case

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



∴ Swivelling blade tip

∴ Clear view

∴ 5 year warranty

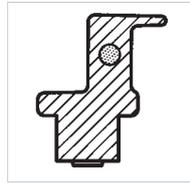


HEINE SANALON+® Fiber Optic (F.O.) Laryngoscope Blades

Reusable Emergency Laryngoscope Blades



- ∴ Reusable F.O. laryngoscope blade made of tough, durable **SANALON**.
- ∴ **HEINE HiLite® fiber bundle** for improved light transmission and longer life.
- ∴ **HEINE XHL® Xenon Halogen Technology** for up to 40% more light than conventional halogen bulbs.
- ∴ Tremendous strength with low weight.
- ∴ Rounded edges significantly reduce the risk of injury.
- ∴ Blades do not “freeze” at low temperatures.
- ∴ Extremely cost-effective.



Mac 2 end-view



Paed 1 end-view



Miller 2 end-view



Mac 2 side-view



Paed 1 side-view



Miller 2 side view

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

Handle	2.5V
Laryngoscope handle F.O. SP with bulb	F-001.22.815
XHL Xenon Halogen spare bulb	X-001.88.035

HEINE XP® Disposable Laryngoscope Blades

Eliminate cross-infection



XP Mac



XP Miller

The disposable laryngoscope blade features the HEINE Classic+® blade shape of the world's best-selling integral Fiber Optic blade. With proper use the disposable XP blade avoids cross-infection from one patient to the next.

- ∴ **Extreme torsional stiffness**, practically unbreakable.
- ∴ **No danger of cross-infection.**
- ∴ **Hygienic and safe.**
- ∴ **Blade shape optimized** to ease the passage of the tube.
- ∴ **Optimum light transmission** by oversize light guide.
- ∴ **Extremely bright light** from the XHL Xenon Halogen bulb in the handle.
- ∴ Patient-friendly with **reduced risk of injury** or damage to teeth.
- ∴ **Blades do not "freeze"** or stick to the tongue at low temperatures.
- ∴ **XP blades conform to the rigorous ISO 7376** (green standard).
- ∴ **Cost-effective** compared with most reusable systems.



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	80mm	10mm	F-000.22.771*
Miller 1	104mm	10mm	F-000.22.772*
Miller 2	155mm	13mm	F-000.22.773*
Miller 3	195mm	13mm	F-000.22.774*
Miller 4	221mm	14mm	F-000.22.775*
Mac 1	90mm	9mm	F-000.22.761*
Mac 2	114mm	10mm	F-000.22.762*
Mac 3	134mm	14mm	F-000.22.763*
Mac 4	154mm	14mm	F-000.22.764*

* 25 disposable blades individually packed in Dispenser Box.



HEINE XP® Disposable Laryngoscope Handle Shell

Eliminates cross-infection



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

XP Disposable Laryngoscope Handle Shell with bottom cap

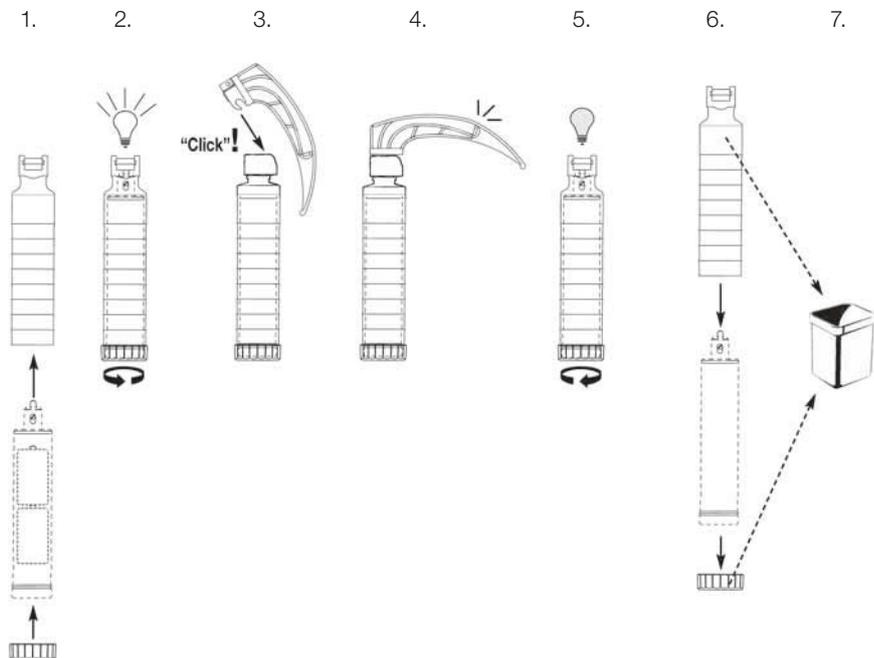
without battery insert, pack of 25

F-000.22.926

Battery insert for F.O. handles	2.5V	3.5V NiMH	3.5V LI ION
Battery insert* for Standard F.O. handles with bottom cap and XHL Xenon Halogen bulb	F-001.22.858	F-002.22.868	F-007.22.868*

XHL Xenon Halogen spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
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* Standard F.O. and F.O. LED battery insert is incompatible with the XP handle shell.



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

HEINE Fiber Optic (F.O.) Laryngoscope Handles



HEINE F.O. laryngoscope handles with HEINE XHL® Xenon Halogen or LED bulb technology.

All 3.5V rechargeable handles are also available from HEINE with Lithium-Ion technology (except BETA SLIM and small F.O. Laryngoscope handles).

- ∴ **Compatible with Sterrad®** and other low-temperature gas plasma sterilisation procedures.
- ∴ **Double the capacity** - up to 120min. working time without recharging.
- ∴ **Lightweight and convenient.**
- ∴ **No more memory effect.** Full capacity whenever needed.
- ∴ The handle **can be powered by either 2.5V batteries or a 3.5V rechargeable battery** for even more light. (Exception: F.O. SP handle).
- ∴ **Rechargeable handles are always ready for use** and the rechargeable batteries are environmentally-friendly compared with standard batteries.
- ∴ **The handle shell can be sterilized or autoclaved while the battery insert is being charged.** (Exception: Short F.O. handle, F.O. angled handle and F.O. SP handle).
- ∴ **HEINE F.O. handles can be converted from battery to rechargeable specification.** (Exception: Short F.O. handle and F.O. SP handle.)
- ∴ **Compatible** with all blades to the ISO 7376 (green standard).

HEINE Standard F.O. L / F.O. L LED Laryngoscope Handle



Innovative 3,5V F.O. rechargeable Laryngoscope handle with charge indicator in the bottom cap **and the option of LED illumination.**

- ∴ **Rechargeable handle with charge status display in bottom cap.** The state of charge is indicated for 10 seconds after switching on or after removal from the charger.
- ∴ **Rechargeable handle option A:** Rechargeable handle including battery insert with XHL - Xenon-halogen bulb.
- ∴ **Rechargeable handle option B:** Rechargeable handle including battery insert with LED.
- ∴ **No memory effect.** Full power at any time without loss of capacity.
- ∴ **Update conventional F.O. Laryngoscope handles.** Simply change to Li-ion L rechargeable battery and Standard F.O. L bottom cap.
- ∴ **Compatible** with previous chargers NT200 and Nicatron.
- ∴ **Li-ion rechargeable battery for Standard F.O. L and Standard F.O. L LED rechargeable laryngoscope handles with charge status display.**
- ∴ **Ability to retrofit.** All Standard F.O. 3,5V rechargeable laryngoscope handles can be converted to Standard F.O. L and Standard F.O. L LED 3,5V rechargeable handles by fitting the Li-ion L rechargeable battery and bottom cap for Standard F.O. L / Standard F.O. L LED rechargeable 3,5V laryngoscope handles.
- ∴ **Two hours charging time with the NT 300 charger.**
- ∴ **Downwards compatible.** The Li-ion L rechargeable battery with BETA L/ Standard F.O. rechargeable handle can also be charged in existing NT200 and Nicatron chargers.
- ∴ **Please note:** The **Li-ion L** rechargeable battery (X-007.99.383) is not compatible with BETA rechargeable laryngoscope handles and bottom caps. The **Standard F.O. L** bottom cap is not compatible with the **Li-ion** rechargeable battery 3.5V (X-007.99.301).

∴ **Fast-Charge feature**

∴ **Charge status display**

 Rechargeable handle with charge status display in the bottom insert.



HEINE Fiber Optic (F.O.) Laryngoscope Handles

Fiber Optic and LED Laryngoscope Handles for more light



Standard F.O. Laryng. Handle	2.5V	3.5V NiMH	3.5V	3.5V/LED
Standard F.O. handle, compl. [01]	F-001.22.860	F-002.22.863	F-007.22.885	F-008.22.891
Battery insert without bottom cap [02]	F-001.22.859	F-002.22.859	F-002.22.859	F-008.22.890*
Bottom cap [03] [04]	F-001.22.861	F-002.22.867	F-002.22.887*	F-002.22.887*
Recharg. battery [05]	-	X-002.99.382	X-007.99.383	X-007.99.383
Handle shell [06]	F-000.22.824	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	-
NT 300 charger only (without handle)	-	X-002.99.495	X-002.99.495	X-002.99.495

* not compatible with XP Handle shell.



Small F.O. Laryngoscope handle	2.5V	3.5V NiMH
Small F.O. Handle, complete [01]	F-001.22.800	F-002.22.806
Battery insert with bottom cap [02]	F-001.22.802	F-002.22.802
Rechargeable battery [03]	-	X-002.99.106
Handle shell [04]	F-000.22.804	F-000.22.804
Spare bulb	X-001.88.035	X-002.88.044
NT 300 charger only (without handle/without adaptor)	-	X-002.99.495
Two adaptor sets	-	X-000.99.086



Short F.O. Laryngoscope Handle	2.5V	3.5V NiMH
Short F.O. Handle, complete [01]	F-001.22.812	F-002.22.414
Rechargeable Battery [02]	-	X-002.99.393
Spare bulb	X-001.88.035	X-002.88.044
NT 300 charger only (without handle)	-	X-002.99.495
Two adaptor sets	-	X-000.99.086



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

F.O. Angled Handle	2.5V	3.5V NiMH	3.5V
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	X-002.99.396
Rechargeable Battery [04]	-	X-002.99.382	X-007.99.383
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.

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

Rechargeable handle with charge status display in the bottom insert.

HEINE NT 300® Charger and Adaptors



- ⚡ Fast charge capability
- ⚡ Automatic Charging
- ⚡ Charge indicator

Dimensions: Width 142 mm, Height 61 mm, Depth 66 mm, Weight 830 g.
The NT 300 charger automatically charges any HEINE rechargeable battery irrespective of its state of charge or 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 all laryngoscope rechargeable handles in the same NT 300.

HEINE F.O. rechargeable laryngoscope handles can be recharged with or without the handle shell in place. The bulbs in all handles are clearly marked to distinguish between 2.5V and 3.5V systems.

HEINE handles and chargers conform to international standards including IEC 60601-1, DIN 58870, ASTM F 1195-88, ISO 7376 (green standard).

- ⚡ **Innovative, compact design. Practical and spacesaving.**
- ⚡ **Two independent charging compartments.** Complete functionality for one or two handles at a time.
- ⚡ **Fast charge feature.** 2 hours to recharge a BETA L/Standard F.O. L 3.5V, rechargeable Laryngoscope 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.
- ⚡ **Cannot overcharge:** Charger switches off automatically when the battery is fully-charged.
- ⚡ **Charge indicator:** Light pulses from the charging compartment to confirm the charging mode. At full charge the light stays on and reduces in brightness after 4 hours in the standby mode.
- ⚡ **Compatible with all HEINE F.O. rechargeable laryngoscope handles.**

NT 300 Charger	3.5V
Charger without handle, with adaptor for Standard F.O./Laryngoscopes handles [03]	X-002.99.495
Two adaptor sets for Small F.O. Laryngoscopes rechargeable handle [01] + [02]	X-000.99.086

Adaptor- and Adaptor sleeves for NT 300

- [01] For the small F.O. battery insert.
- [02] For the small F.O. Laryngoscope handle.
- [03] For the Standard F.O. battery insert and F.O. angled handle 3.5V.
(Also for BETA F.O. NT2 rechargeable laryngoscope handles and BETA rechargeable handles for diagnostic instruments.)
Use without Adaptor for Standard F.O. Laryngoscope handle.



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

Set with Paed 1, Mac 2, Mac 3 blades and spare bulb, in zipper case:



(A sample laryngoscope set)

Kombi-case F-179.00.000 (empty case)
With the Kombi-case you can assemble
a personal laryngoscope set to suit your
personal needs.

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	
Ⓛ with Standard F.O. L rechargeable handle with Li-ion L battery and NT 300 charger			F-119.29.865

Set with Paed 1, Mac 2, Mac 3, Mac 4 blades and spare bulb, in 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	
Ⓛ with Standard F.O. L rechargeable handle with Li-ion L battery and NT 300 charger			F-120.29.865

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

FlexTip+ F.O. Laryngoscope Set with blade Mac 3 and spare XHL Xenon Halogen bulb, in 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

FlexTip+ F.O. Laryngoscope Set with blade Mac 4 and spare XHL Xenon Halogen bulb, in 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

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

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



FlexTip+ F.O. Laryngoscope Set with blades Mac 3, Mac 4 and spare XHL Xenon Halogen bulb, in 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	
with Standard F.O. L rechargeable handle with Li-ion L battery and NT 300 charger			F-230.29.865
Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 Mac 3 and Mac 4, in case			F-227.01.000 F-000.22.316

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



Set complete with F.O. Modular+ blade Mac 1, Mac 2, Mac 3 and Mac 4 and spare XHL Xenon Halogen bulb, in 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

HEINE SANALON+® Emergency Laryngoscope Sets



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

SANALON+ Emergency Laryngoscope Set with blades Mac 2 and Mac 3a, F.O. SP handle 2.5V, two alkaline batteries, in zipper pouch **F-158.10.815**

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



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 disposable blades effectively avoid cross-infection.**
- ∴ **Hygienic and safe.**
- ∴ **Perfected blade shape:** Simplifies intubation.
- ∴ **Extremely bright light from XHL Xenon Halogen bulb.** The light is directed precisely on to the epiglottis and vocal cords.
- ∴ **HEINE XHL® Xenon Halogen Technology** for up to 40 % more light than conventional halogen bulbs.
- ∴ **Can be used under all conditions.**
- ∴ **Blades do not “freeze”** or stick to the tongue at low temperatures.
- ∴ **The blades are designed to minimize the likelihood of damage** to teeth.
- ∴ **Virtually unbreakable** in normal use and torsionally-stiff.
- ∴ **Non-slip handle design.**
- ∴ **Lightweight and compact.**
- ∴ **XP blades conform to the ISO Standard ISO 7376 (green standard).**
- ∴ **Exceptional value.**

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

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

* 25 disposable blades individually packed in Dispenser Box.

XP Emergency Set Accessories	2.5V
F.O. SP Laryngoscope handle 2.5V, 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

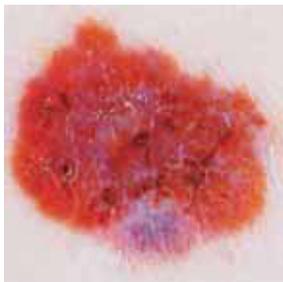
Early recognition of Malignant Melanoma is becoming increasingly important in Dermatology. In Germany the annual increase in reported new cases is between 5 and 10%. In parts of the world with a fair-skinned population the incidence has almost doubled in the last 15 years. Early recognition and diagnosis is the key to improved healing rates. HEINE Optotechnik's long experience as market leader in Dermatoscopy has enabled us to set a new standard for image quality with the DELTA 20 Dermatoscope.

HEINE DELTA 20® Dermatoscope

Dermatoscope with LED illumination



- ∴ Homogeneous, bright LED light
- ∴ High-resolution optics
- ∴ Diagnosis and documentation



For dermatoscopic examination of pigmented skin lesions and early diagnosis of malignant melanoma. Dermatoscopy oil is applied to the skin to make the outer skin layers more transparent. The DELTA 20 makes structure changes visible. The differential diagnosis of initial malignant melanoma and other pathologies is made easier and more accurate with DELTA 20.

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

(For more information, see the DELTA 20 LED Dermatoscope Brochure.)

DELTA 20 Dermatoscope Head	2.5V/3.5V LED
with contact plate 23mm dia. with scale and dermatoscopy compendium	K-008.34.201
same, without scale	K-008.34.207
DELTA 20 Dermatoscope Head without contact plate	K-008.34.202

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



DELTA 20 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	K-256.10.118		
BETA R rechargeable handle		K-256.20.376	K-256.27.376
BETA TR rechargeable handle with transformer		K-256.20.384	K-256.27.384
BETA NT rechargeable handle with NT300 charger		K-256.20.420	
BETA L rechargeable handle and NT300 charger			K-256.29.420

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



HEINE mini3000® Dermatoscope

A Dermatoscope in a handy pocket format



Modern pocket dermatoscope in a compact design with high-quality optics. 10x magnification with focusing optics. Metal threaded connector. Can only be used with the mini 3000 handle system.

- ∴ **10x magnification.** Large, high-resolution image.
- ∴ **Solid metal construction.** Durable and tough.
- ∴ **Enhanced XHL Xenon Halogen Technology for more light.** Very bright, concentrated white light for perfect illumination.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Detailed compendium with photographic atlas included.** Simplifies the differential diagnosis of pigmented lesions.
- ∴ **Replaceable batteries.** Size AA.

- ∴ Modern pocket dermatoscope
- ∴ Solid metal construction
- ∴ Optional rechargeable handle

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

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to a rechargeable handle. Fully-automatic charging with the mini NT charger.

Please note: To convert mini2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



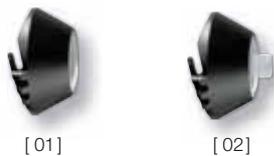
mini NT charger set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom caps for mini 3000 rechargeable handle [03]	X-001.99.485
mini NT adaptor set for mini 2000	2.5V
2 bottom caps for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

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.

Accessories

for the DELTA 20 Dermatoscope



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



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



SLR Photo adaptor	
for Dermatoscope/Digital SLR Camera, with Optics. Wide Field of View, Crisp Image	
SLR Photo adaptor for Canon	K-000.34.185
same, for Nikon	K-000.34.186
same, 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	
(not shown) includes SLR Photo adaptor, Adaptor cord and BETA Belt Clip	
Photo Accessory Set for Canon	K-000.34.190
same, for Nikon	K-000.34.191
same, for Olympus	K-000.34.192

Accessories

for mini 3000 Dermatoscope



Contact plate	
Contact plate without scale [01]	D-000.78.116
Contact plate 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) is applied to the external skin layers, making them transparent	K-000.34.005



The innovative shockproof “GAMMAG” Series latex-free sphygmomanometers set a standard in performance, quality and value. A functional and modern design, in combination with a high-quality precision manometer and durable construction, guarantee reliable performance over many years in any clinical environment.

“Single-Tube” Design with exclusive Pressure-Distribution System.

The exclusive pressure-distribution system controls the airflow to the manometer during inflation to provide a smooth and accurate increase in pressure and a long manometer life. With this innovation the GAMMAG-Series now offers an important durability feature previously only available in “double-tube” systems, in a convenient, single-tube design.

GAMMAG Series/Confirmation of clinical validation:

The GAMMAG Series is now clinically-validated under the European Union protocol on hypertension. The validation protocol for the GAMMAG range confirms the long-term accuracy of measurement of the systolic and diastolic blood pressure.



HEINE GAMMAG7®

The model with aluminium alloy construction and precision valve



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

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

- ∴ Shockproof
- ∴ Latex-Free
- ∴ Aluminium upper housing
- ∴ 10 year warranty

GAMMAG7	
complete with adult cuff, in zipper pouch	M-000.09.232
complete with child cuff, in zipper pouch	M-000.09.233
Practice Kit with child, adult and small adult cuff in zipper pouch	M-000.09.554
complete with adult cuff without zipper pouch, box of 10	M-000.09.560

HEINE GAMMA G5®

The HEINE standard sphygmomanometer



∴ Shockproof

∴ Latex-Free

∴ Shock-absorbing Polyamid housing

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

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

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

GAMMA G5	
complete with adult cuff, in zipper pouch	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 (Pat. DE 10353157).** Fine and precise air-release rate adjustment, ultra-fast air-release, practically wear-free. Easy to operate by both left and right-handed users.
- ∴ **5 year warranty.***

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

GAMMA GP	
complete with adult cuff, in zipper pouch	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

HEINE GAMMA GST®

Classic instrument for self measurement



Combines all the design and quality features of the GAMMA G5, with the addition of an integrated stethoscope in the cuff designed for easy self measurement.

- ∴ **Housing is moulded of a 2 component thermo plastic (Polyamide/TP Elastomer).** Shock absorbing, anti-slip coating.
- ∴ **Adjustable Spoon (Polyamid Thermo Plastic).** For both right or left-handed operation.
- ∴ **High quality, single-tube cuff.** With integrated Stethoscope (43 mm membrane) and soft ear olives.
- ∴ **5 year warranty.***

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

GAMMA GST	
complete with adult cuff, in zipper pouch	M-000.09.271



HEINE GAMMA XXL LF®

The top-quality professional model

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



[01]

- ∴ Oversized scale
- ∴ Latex-Free
- ∴ 10 year warranty

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

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

GAMMA XXL LF

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

Accessories

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



[03]



[04]



[02]

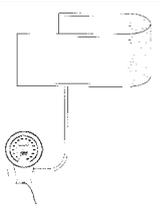
Blood-pressure cuffs and accessories

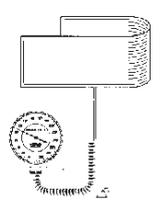
Latex-free blood-pressure cuffs

Cuffs for GAMMA G7/G5/GP/GST/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 long life.
- ∴ Proven reliability. Absolutely airtight system.

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

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

GAMMA GST	Single-tube cuff (cpl.) with stethoscope			Single-tube bladder		Outer cuff	
	Size	Circumference/cm		Size		Size	
Adult	14x53	22–32		11x23	M-000.09.669	14x53	M-000.09.079



HEINE GAMMA2 .2®

For excellent acoustic performance



- ∴ **Lightweight chest piece with 45 mm diameter membrane and 32 mm diameter bell.** For excellent acoustic performance.
- ∴ **Integrated twin-spring design.** For durability and comfort.
- ∴ **Latex-free tubing.**
- ∴ **Thermoplastic ring for membrane and cone.** Avoids cold shock.
- ∴ **Ear olives.** Comfortable and soft, with screw-fitting.
- ∴ **Including:** Spare ear olives and membrane.

GAMMA 2.2

M-000.09.922

HEINE GAMMA2 .3®

For the examination of children



A smaller, technically similar version of the GAMMA 2.2, the GAMMA 2.3 offers a membrane diameter of 34 mm and a bell diameter of 26 mm, which is ideally suited for pediatric examinations.

- ∴ **Technical features see Gamma 2.2.**

GAMMA 2.3

M-000.09.923

HEINE GAMMAC®

Ideal for cardiology



- ∴ **The double stainless steel chestpiece with 48 mm diameter membrane and 26 mm diameter bell has a unique deep cone shape,** for increased sound sensitivity and ideal transmission of low-frequency sounds for cardiology.
- ∴ **The two-in-one tube system is latex-free.** With a thick-walled construction to reduce stray noise and improve sound transmission.
- ∴ **PVC rings for both membrane and cone.** Avoid cold shock.
- ∴ **Corrosion-resistant light alloy binaurals include twin springs.** For durability and comfort.
- ∴ **Comfortable, soft ear olives exclude stray noise.** Included are 2 sets of replacement olives (medium and soft), a replacement membrane as well as one chill ring.
- ∴ **Latex-free tubing.**

GAMMA C

M-000.09.931

The HEINE range of proctological instruments includes both disposable and reusable instruments either with the 6V lamp handle or a range of Fiber Optic Projectors and Fiber Optic cable.

Disposable tubes eliminate cross-infection and cleaning time. Translucent tube wall and distal annular light exit provide reflection free, homogenous illumination. More than 5x as bright as other disposable tubes. Quick Connect System fits most popular instrument heads. Graduated for clear indication of insertion length. Cost effective.

Instrument head for HEINE UniSpec® tubes



[01]



[02]



[03]

Illumination by fiber optic cable and projector, lamp handle or 3,5V BETA handle with illumination adaptor (X-002.98.002).

- ∴ **Annular Fiber Optic illumination.** Bright, reflex-free illumination.
- ∴ **Magnifying lens 1,5x.** High-resolution image.
- ∴ **Hinged viewing window with insufflation port.** Improved vision by insufflation.
- ∴ **Stainless Steel.**

Instrument head for UniSpec disposable tubes

Instrument head for disposable tubes, complete with viewing window and swivel lens 1,5x [01]	E-003.18.100
Instrument head without viewing window and swivel lens	E-003.18.098
Viewing window only [02]	E-003.18.099
Swivel lens 1,5x (only for sigmoidoscope) [03]	E-003.18.096
Swivel lens 1,8x (only for proctoscope and anoscope)	E-003.19.099

HEINE UniSpec® Disposable Tubes



85x20mm 130x20mm 250x20mm

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



HEINE Anoscope/Proctoscope illumination head



[01]

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

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



[03]



[02]

Illumination head	2.5V	3.5V	F.O.
complete with swivel lens and viewing window [01]	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	
Swivel lens, only [02]			E-000.19.103
Viewing window, only [03]			E-000.19.104

Tubes with straight direction of view



60x22mm

120x22mm

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 60x22mm dia., complete with obturator	E-000.19.111
Proctoscope tube 120x22mm dia., complete with obturator	E-000.19.107

Tubes with 90° direction of view (Blond)



100x20mm

130x25mm

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, 130x25mm dia.	E-000.19.105
Proctoscope tube, 90° direction of view, 100x20mm dia.	E-000.19.114

HEINE F.O. Anoscopes with annular Fiber Optic illumination



70x25mm

70x20mm

70x15mm

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

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

Anoscope	F.O.
Anoscope tube 70 x 25 mm dia., complete with obturator	E-003.19.325
Anoscope tube 70 x 20 mm dia., complete with obturator	E-003.19.320
Anoscope tube 70 x 15 mm dia., complete with obturator	E-003.19.315

HEINE F.O. Proctoscopes with distal annular illumination



[01]

[02]

[03]

[04]

[05]

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

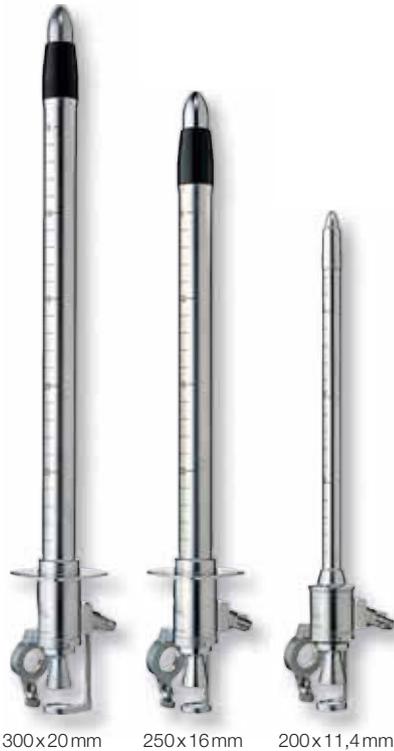
- ∴ **Distal annular Fiber Optic (F.O.) illumination.** Bright, reflex-free illumination.
- ∴ **Magnifying lens 1,8x magnification.** High-resolution image.
- ∴ **Hinged viewing window with insufflation port.** Vision can be improved by insufflation.
- ∴ **Angled tube-end.** Improves vision and access.
- ∴ **End-piece can be unscrewed.** Easy to clean and disinfect with conventional solutions.
- ∴ **Stainless steel.** Durable.

Proctoscope	F.O.
Proctoscope 130 x 20 mm dia., complete with obturator, viewing window, swivel lens and replacement end-piece	E-003.19.213
Proctoscope tube without accessories [01]	E-003.19.013
Obturator only [02]	E-003.19.113
End-piece [03]	E-003.19.095
Viewing window [04]	E-003.18.099
Swivel lens 1,8x [05]	E-003.19.099



HEINE F.O. Sigmoidoscopes with distal annular illumination

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



300x20mm 250x16mm 200x11,4mm

- ∴ Available in various sizes: 300 x 20 mm, 250 x 20 mm, 200 x 20 mm, 250 x 16 mm, 200 x 11.4 mm. Sizes suitable for most patients of all ages.
- ∴ Distal annular Fiber Optic (F.O.) illumination. Bright, reflex-free illumination.
- Swivel lens with 1,5x magnification. High-resolution image.
- Opening viewing window with insufflation port. Vision can be improved by insufflation.
- Graduated in cm. Indication of insertion length.
- Plastic end-piece. Insulated.
- End-piece can be unscrewed. Easy to clean and disinfect with conventional solution.
- Stainless steel. Durable.

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



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

Telescope



For use with proctoscope and rectoscope with distal illumination and with disposable tubes.

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

Telescope	E-000.18.908
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Rubber Insufflation Bulb



Rubber insufflation bulb	E-000.18.105
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Sponge Holder



- ∴ **High quality design in stainless steel.** Easy to clean, disinfect and sterilize.

Sponge holder 400mm working length	E-000.18.906
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Suction Tube



A sliding clip attaches the suction tube to the instrument head.

- ∴ **Stainless steel.** Easy to disinfect and sterilize.

Suction tube 400mm working length	E-000.18.907
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HEINE Illuminationa daptor



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

Illumination adaptor	3,5V
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Illumination adaptor 3,5V	X-002.98.002
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XHL Xenon Halogen spare bulb	X-002.88.078
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Anoscope instrument kit ATE

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



• Contents:

Instrument head for UniSpec disposable tubes with viewing window and swivel lens 1.5x.

Pack of 25 UniSpec anoscope tubes 85 mm.

Plug-in transformer E7 with lamp handle, switch and bulb.

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

Sigmoidoscope/Proctoscope kit RTE

Inexpensive but complete kit of instruments for routine rectal examination.



• Contents:

Instrument head for UniSpec disposable tubes with viewing window and swivel lens 1.5x.

Pack of 25 UniSpec sigmoidoscope tubes 250 mm.

Pack of 25 UniSpec proctoscope tubes 130 mm.

Pack of 25 UniSpec anoscope tubes 85 mm.

Sponge holder.

Insufflation bulb.

Plug-in transformer E7 with lamp handle, switch and bulb.

Sigmoidoscope/Proctoscope kit RTE	6V
Complete Sigmoidoscope/Proctoscope kit RTE	E-095.16.501
XHL Xenon Halogen spare bulb	X-004.88.060

Sigmoidoscope/Proctoscope Kit RE 7000

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



• Contents:

- Instrument head for UniSpec disposable tubes with viewing window and swivel lens 1.5x.
- Pack of 25 UniSpec sigmoidoscope tubes 250 mm.
- Pack of 25 UniSpec proctoscope tubes 130 mm.
- Pack of 25 UniSpec anoscope tubes 85 mm.
- Sponge holder.
- Insufflation bulb F.O. projector HK7000, 150W.
- Fiber Optic cable.

Sigmoidoscope/Proctoscope Kit RE 7000	F.O.
Complete Sigmoidoscope/Proctoscope kit	E-096.15.501
XHL Xenon Halogen spare bulb, 150W	Y-096.15.102

Sigmoidoscope/Proctoscope Kit RD 7000

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



• Contents:

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

Sigmoidoscope/proctoscope kit RD7000	F.O.
Complete Sigmoidoscope/Proctoscope kit RD 7000	E-096.15.600
XHL Xenon Halogen spare bulb, 150W	Y-096.15.102



HEINE Proctology Sets



Set A, Composed of: Anoscope/proctoscope head, spare bulb, Anoscope/proctoscope tubes with straight view Tubes with 90° angle of view (Blond) and hard case E-067.000.000.

Proctology Sets	2,5V	3,5V (NiMH)	3,5V	6V
with BETA Battery handle	E-067.10.118			
with BETA R Rechargeable handle		E-067.20.376	E-067.27.376	
with 6V plug-in transformer E7 with lamp handle and switch				E-067.40.616
for F.O. projector*				E-067.00.960



Set B, Composed of: F.O. proctoscope complete with obturator, spare bulb, F.O. sigmoidoscope complete with obturator **300 x 20mm**, sponge holder, suction tube, telescope, insufflation bulb and hard case E-066.00.000.

Proctology Sets	6V
with 6V plug-in former E7 with lamp handle and switch	E-066.30.616
for F.O. projector*	E-066.30.960

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

Mader Proctology Sets



Proctoscope set, contents: Proctoscope illumination head, Blond proctoscope tube 100 / 20mm with lateral window, XHL Xenon Halogen spare bulb

Proctology Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	E-219.10.118		
BETA NT rechargeable handle and NT300 charger		E-219.20.420	
BETA L rechargeable handle and NT300 charger			E-219.29.420



Procto-sigmoidoscope set, contents: Proctoscope illumination head 3.5V, Fiber optics sigmoidoscope, 250 x 20mm with obturator and accessories, Blond proctoscope tube 100 / 20mm with lateral window, Sponge holder, 3.5V illumination adaptor (X-002.98.002) and one spare bulbs each for the proctoscope illumination head and the 3.5V illumination adaptor.

Proctology Sets	3.5V (NiMH)	3.5V
BETA NT rechargeable handle and NT 300 charger	E-218.20.420	
BETA L rechargeable handle and NT 300 charger		E-218.29.420



Rubber insufflation bulb (not included in set)	E-000.18.105
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: Rechargeable handle with charge status display in the bottom insert.



HEINE HL 1200® Examination Light



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

100 % more light with new Bulb technology. The HL 1200 is a flexible halogen examination light with a 20W IRC reflector lamp with innovative bulb technology. More than twice the brightness in comparison with conventional 20-Watt lamps for bright, white concentrated light. HL 1200 is a unique design incorporating a number of important features which most other lamps cannot match:

- ∴ **Ultra-slim head.** More freedom of movement and an unobstructed view for the examiner.
- ∴ **Built-in temperature filter.** Avoids patient discomfort.
- ∴ **Swivels through complete 180°.** Flexible and easy to position.
- ∴ **Exceeds all relevant quality standards.** Guaranteed protection for the patient even if e. g. a bulb fails.
- ∴ **“Stay-put” construction of flexible section.** Adjust the light to virtually any position and it “stays-put”, will not sag or droop.
- ∴ **Special non-tip wheeled stand.** Resists tipping to improve safety in clinic and practice.
- ∴ **Long-life 12V/20W IRC reflector lamp.** 4000 hours bulb life.
- ∴ **90,000Lux light output at 30 cm.** Bright, white light.



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

Wheeled stand (metal base) with mount for HL 1200 light	Y-096.50.004
Wheeled stand (polycarbonate base) with mount for HL 1200 light	Y-096.50.009
Mount for HL 1200 light for wheeled stand	J-000.27.069



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

HEINE HL 5000® Examination Light



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

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

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

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



[01]



[02]



[03]



[04]

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



HEINE HKL® Universal Fiber Optic Examination Light

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

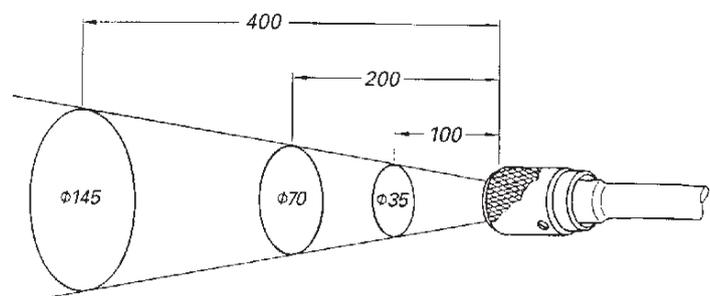
- ∴ **Adjustable Diaphragm Aperture.** Wide range of spot sizes. Bright, even light. No temperature increase.
- ∴ **Colour temperature 3800K.** "Daylight" illumination.
- ∴ **Long, flexible arm "stays put" where required.** Very flexible to position with long-reach arm.
- ∴ **Slimline head.** Unobstructed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



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

Please order the projector separately. See pages 130–131.

Light spot sizes



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

HEINE binocular loupes set standards for innovative optics combined with high-tech materials and production techniques. A wide range of applications in many disciplines: General Medicine, Dermatology, minor and some major Surgery, Plastic Surgery, Neuro-Surgery, ENT, Ophthalmology, Veterinary Medicine, Dentistry etc.

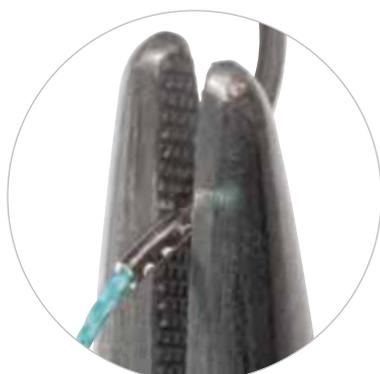
The use of magnifying loupes will increase your visual acuity and reduce eye strain. Careful selection of working distance and correct viewing angle will avoid back and neck strain by allowing a comfortable working position.

Three easy steps to select your HEINE binocular loupe:

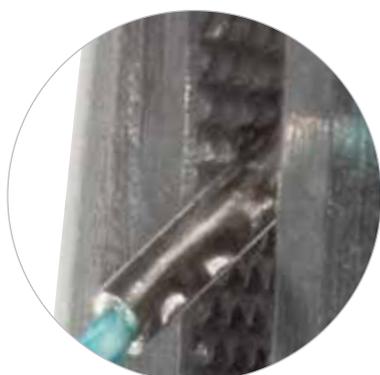
1. Simply select the lowest magnification that will meet your needs. The lower the magnification, the larger the field of view, and the easier the loupe will be to use.
2. Then determine your working distance, which will also automatically determine your field of view. To determine your working distance assume a comfortable, posture-correct position for the intended loupe application and determine the distance between your eyes and your working area. Using the chart below, match this distance with the nearest nominal working distance option shown beside the magnification you chose. Note: The closer the loupes are to the eyes, the larger the field-of-view.
3. Finally, select your preferred mounting option, Spectacle Frame or Headband. All options offer the user flexibility and adaptability for precise optical position, alignment and performance.



without magnification



2.5 x/340mm, field of view 90 mm
(field of view up to 180mm)



6x/340mm, field of view 40mm

HEINE Binocular Loupes: Specifications

Magnification	Nominal Working distance	Field of view**	Depth of field*
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HR: Recommended for general medicine, minor surgery and hygienists.

2x	250mm	90mm	80mm
2x	340mm	130mm	130mm
2x	420mm	190mm	200mm
2x	520mm	250mm	290mm

HR: Recommended for surgical and dental use.

2.5x	250mm	60mm	60mm
2.5x	340mm	90mm	110mm
2.5x	420mm	130mm	180mm
2.5x	520mm	180mm	260mm

HRP: Recommended for micro-surgery for experienced loupe-users.

3.5x	420mm	65mm	60mm
4x	340mm	50mm	40mm
6x	340mm	40mm	30mm

HR-C: An ultra-compact alternative to the HR 2.5x Binocular Loupe for general use in surgical and dental applications.

2.5x	340mm	60mm	110mm
2.5x	420mm	70mm	140mm

C 2.3: Recommended for dental laboratories.

2.3x	340mm	110mm	120mm
2.3x	450mm	130mm	190mm

* Depth of field or "working distance range" for normal-sighted or corrected eyes with normal ability to accommodate, well-lit object.

** At nominal working distance.



HEINE S-Frame® spectacle frame/S-Guard® splash protection

Perfect for HR, HRP, HR-C Binocular Loupes



∴ Exceptionally light

∴ Fits any shape of head or face

∴ Flip-up control for optics

The HEINE S-Frame® is a truly exceptional spectacle frame: Virtually all of its parameters can be customized – making it the perfect fit for any head or face shape. It is ultra-light, pleasant to wear and can be combined with all new HR, HRP and HR-C Binocular Loupes. In the S-Guard version with splash protection goggles the S-Frame can be used with Professional L and Lightweight headbands.

- ∴ **Maximum comfort thanks to a modern, ergonomic design.** Attractive spectacles that fit any shape of head or face perfectly for maximum wearer comfort. No pressure points, pinching or slipping of the frame
- ∴ **Customizable.** Mouldable in all directions, the adjustable temples made from KYNETIUM™ come with an anti-slip surface. Flexible adjustable nose pads with silicone overlay for maximum comfort and superlative stability. The nose pad is made from skin-friendly silicone and fits all nose and face shapes. It also prevents the spectacles from slipping.
- ∴ **Low weight (24 g).** Thanks to the use of high-tech materials.
- ∴ **State-of-the-art technologies and innovative materials.** The carbon frame, S-Frame temples made from aluminium alloy (KYNETIUM™) and magnesium result in a light weight while silicone ensures superb elasticity and titanium gives greater resilience.
- ∴ **Durable polycarbonate safety glass.** The protective lenses offer superlative splash protection, even when combined with a headband. The interchangeable lenses are available in two different sizes. They are scratch-resistant and provide excellent visual sharpness. Small protective lenses are also available.
- ∴ **Allows the use of prescription lenses.** Optional correction frames are also available for prescription lenses. Simple "ClipOn" attachment.
- ∴ **Flip-up control for optics.** The optics can be easily flipped up and down into the visual axis. The binocular Loupe mount is compatible with all HR 2.5x/HRP and HR-C Binocular Loupes.
- ∴ **Extensive accessories.** Lenses, cleaning fluid, nose pads, spare parts kit.

S-Frame* for HR 2.5x-, HRP-, HR-C Binocular Loupes incl. retaining cord and cleaning fluid **C-000.32.303**

S-Frame* for SIGMA 150 and 150M2 Indirect Ophthalmoscope incl. retaining cord and cleaning fluid **C-000.33.036**

* with protective lenses, large (lg).

HEINE i-View®/ swivelling loupe

for S-Frame [01] and Headband Professional L [02] *



NEW!



The i-View provides precise, individual adjustment of the loupes for pupillary distance and the viewing angle combined with the ideal distance between the optics and the examiner's eyes. This ensures a comfortable, ergonomic posture and avoids fatigue.

An optional LED LoupeLight mounts directly onto the loupe mount. The LoupeLight and the loupe mount are independently adjustable.

For examination without magnification the binocular loupe can be swivelled upwards out of the line of sight without affecting the initial adjustment. If a LoupeLight is fitted, the light spot stays in position. The binocular loupe returns to exactly the same position when required.

Sterilisable swivel levers are available see page 109.

* Except HR 2x Binocular Loupes.

HEINE HR® Binocular Loupes

HR Technology for an even bigger field of view



⚡ Eyepieces individually-adjustable

⚡ Crisp, clear images

⚡ Bigger field of view

HR Binocular Loupes with either 2x or 2.5x magnification are particularly recommended for **dental surgery and endodontics**.

- ⚡ **The Brightest Image.** Our exclusive coating technology reduces light reflection to 0.3%, providing the brightest image of any comparable loupe.
- ⚡ **The Crispest Image with Colour Correction.** State-of-the-art HEINE optics with achromatic lenses provide a standard for image clarity, crispness and colour compared with conventional Galilean loupes.
- ⚡ **Super-Wide, Super-Deep Field of View.** Improvements in our HR (High Resolution) optical technology provide a super-wide, fully-useable, distortion-free field of view (up to 250mm) and the greatest depth of field (up to 290mm) to eliminate eye strain even over extended periods of use.
- ⚡ **Dust- and Water-Resistant.** All HR loupes are dust- and water-resistant to IP65/IEC 60529 (2000) to ensure ease of cleaning/disinfection, and years of trouble-free use.
- ⚡ **Flexibility for Precise Adjustment.** HEINE binocular loupes have independently adjustable optics left and right to select the exact inter-pupillary distance (PD). Conventional designs using a single adjuster are always a compromise. HR loupes can be adjusted precisely for each user for optimum optical performance by means of an exceptionally-wide range of mounting positions on either frame or headband.
- ⚡ **Super Light.** HR optics weigh only 42 grams for user-comfort even over extended periods.
- ⚡ **2x Magnification:** Ideal for dental applications and general surgery, the 2x loupes provide our largest field of view and the best depth of field to ensure the image is in focus over an exceptionally-wide range. **Ideal for hygienists and dental surgical procedures. HR 2x loupes are mounted onto lightweight, rigid loupe mount which can be swivelled upwards out of the line of sight.**
- ⚡ **2.5x Magnification:** The increase in magnification over 2x is greater than the figures suggest. HR 2.5x loupes offer an excellent balance between high magnification, field of view, depth of field, and ease of use. The 2.5x loupes are ideal for a wide range of applications such as dental, ophthalmic, cosmetic and reconstructive surgery. The HR 2.5x is our most popular model. **Ideal for surgery and dental surgical procedures.**

Specifications

Magnification	2x	2x	2x	2x 340mm
Nominal working distance	340mm	420mm	520mm	250mm*
Field of view dia.	>130mm	>190mm	>250mm	>90mm
Magnification	2.5x	2.5x	2.5x	2.5x 340mm
Nominal working distance	340mm	420mm	520mm	250mm*
Field of view dia.	>90mm	>130mm	>180mm	>60mm

* with close-up lenses

Wearing modes:

- ⚡ **HEINE S-Frame®:** Innovative spectacle frame for HR 2.5x, HRP, HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.
- ⚡ **HEINE S-Guard®**
Professional L headband with the S-Guard splash protection. Rapid and simple adjustment of binocular loupes on the headband with the S-Guard splash protection. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip once their position has been set. The ergonomic nose pad also ensures a comfortable and secure position for the binocular loupe.





HEINE HR® Binocular Loupe Sets



Set A



Set B



Set C

Set A Contents:

Optics, **S-Frame with rigid loupe-carrier for HR 2x or S-Frame with i-View loupe mount for HR 2.5x loupes (with i-View for S-Frame)**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case.

Set B Contents:

Optics, **Professional L Headband with i-View loupe-carrier** for the professional L headband, S-Guard splash protection*, detachable protective lenses, 2 sterilisable swivel levers, cleaning fluid.

Set C Contents:

Optics, **S-Frame with i-View loupe-carrier**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case, **LED LoupeLight, mPack LL, EN50.**

* with protective lenses, large (lg).

Binocular Loupe Sets with 2x magnification. Ideal for general medicine, minor surgery and hygienists.

Set-Configuration	Working-distance 340 mm	Working-distance 420 mm	Working-distance 520 mm
A - with rigid loupe-carrier	C-000.32.325	C-000.32.322	C-000.32.326
Optics only (in case) [01]	C-000.32.505	C-000.32.502	C-000.32.506

HR Binocular Loupes with 2.5 x magnification with i-View. Ideal for surgical and dental use.



[01]

Set-Configuration	Working-distance 340 mm	Working-distance 420 mm	Working-distance 520 mm
A - with i-View	C-000.32.355	C-000.32.356	C-000.32.567
B	C-000.32.365	C-000.32.366	C-000.32.367
C	C-008.32.355	C-008.32.356	C-008.32.357



[02]

Optics only with i-View for S-Frame [02] (in case)	C-000.32.595	C-000.32.596	C-000.32.597
Optics only with i-View for Headband Professional L [03]	C-000.32.585	C-000.32.586	C-000.32.587



[03]

For further informations on the LED LoupeLight, mPack LL and EN50 see pages 110, 125 and 126.

HEINE HRP® Binocular Loupes

HRP Technology for highly-magnified crisp images



- ⚡ Ultra light S-Frame
- ⚡ Eyepieces individually-adjustable
- ⚡ Crisp, clear images
- ⚡ High magnification

HRP Binocular Loupes of 3.5x magnification or higher are recommended for fine surgical procedures where high magnification is necessary, for example in endodontal, vascular, neuro, and intricate orthopedic surgery and for experienced users. HRP loupes have been designed to provide the largest field of view and best depth of field possible for each magnification. Please note that the field of view and depth of field will decrease as magnification increases making higher-magnification loupes more difficult to get accustomed to.

- ⚡ **Prismatic Optics.** Only top-quality, precision glass prisms are used to provide the highest resolution and clearest, crispest images over the entire field of view “edge-to-edge”.
- ⚡ **The Brightest Image in Perfect Colour.** Our exclusive coating technology reduces light reflection to 0.3% allowing for optimum light transmission, and ensuring perfect colour reproduction for brilliant, 3-dimensional images.
- ⚡ **Compact Design.** Although the higher magnification requires a more complex design, the weight of the HRP loupes has been minimized. The 3.5x and 4x optics weigh only 78 g, the 6x weighs only 89 g. The headband mounting option is an ideal way to eliminate any weight concerns for those users not accustomed to wearing any type of glasses or spectacles.
- ⚡ **Dust- and Water-Resistant.** All HRP loupes are dust- and water-resistant to IP65/IEC 60529 (2000) to ensure ease of cleaning/disinfection, and years of trouble-free use.
- ⚡ **Flexibility for Precise Adjustment.** HRP loupes have independently-adjustable optics for selecting the exact inter-pupillary distance (PD). HRP loupes can be adjusted precisely for each user for optimum optical performance by means of a range of different mounting positions on either frame or headband.
- ⚡ **Field of View at High Magnification.** Advanced optical design ensures a wide field of view and a great depth of field even at high magnification, avoiding eye strain over extended periods of use.
- ⚡ **3.5x Magnification:** 3.5x magnification makes the HRP 3.5x loupes ideal for intricate surgical procedures, while still giving an excellent field of view and good depth of focus. The 420mm working distance is best suited for applications where the **user is standing up**.
- ⚡ **4.0x Magnification:** 4.0x loupes provide magnification for most advanced **micro-surgical and dental applications** yet still offer a large 50mm field of view. The 340mm working distance is ideal for applications where the user is in a sitting position.
- ⚡ **6.0x Magnification:** Here the focus is on maximum magnification, with a 40mm field of view. The 340mm working distance is ideal for applications where the user is in a **stable, sitting position**.

Specifications			
Magnification	3.5x	4x	6x
Nominal working distance	420mm	340mm	340mm
Field of view dia.	>65mm	>50mm	>40mm



Wearing modes:

- ⚡ **HEINE S-Frame®:** Innovative spectacle frame for HR 2.5x, HRP, HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.
- ⚡ **HEINE S-Guard®**
Professional L headband with the S-Guard splash protection. Rapid and simple adjustment of binocular loupes on the headband with the S-Guard splash protection. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip once their position has been set. The ergonomic nose pad also ensures a comfortable and secure position for the binocular loupe.



HEINE HRP® Binocular Loupe Sets



Set A

Set A Contents:

Optics, **S-Frame* with i-View loupe-carrier for S-Frame**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case.



Set B

Set B Contents:

Optics, **Professional L Headband with i-View loupe-carrier for Headband Professional L**, S-Guard splash protection*, detachable protective lenses, 2 sterilisable swivel levers, cleaning fluid.



Set C

Set C Contents:

Optics, **S-Frame* with i-View loupe-carrier for S-Frame**, detachable protective lenses, 2 sterilisable swivel levers, retaining cord, cleaning fluid, carrying case, **LED LoupeLight, mPack LL, EN50**.

* with protective lenses, large (lg).

Binocular Loupes with 3,5x / 4x / 6x magnification

Set-Configuration	Magnification / Working distance		
	3.5x/420 mm	4x/340 mm	6x/340 mm
A	C-000.32.430	C-000.32.431	C-000.32.432
B	C-000.32.440	C-000.32.441	C-000.32.442
C	C-008.32.430	C-008.32.431	C-008.32.432
Optics only with i-View for S-Frame [01] (in case)	C-000.32.720	C-000.32.721	C-000.32.722
Optics only with i-View for Headband Prof. L [02]	C-000.32.710	C-000.32.711	C-000.32.712



For further information on the LED LoupeLight, mPack LL and EN50 see pages 110, 125 and 126.



[01]



[02]

HEINE HR-C® Binocular Loupes

Super-compact and lightweight Binocular Loupe

Particularly recommended for general dental use and surgery.



∴ Eyepieces individually-adjustable

∴ Exceptionally light

- ∴ **Colour Correction and excellent Depth of Focus.** HR (high resolution) – chromatic optics with exclusive multi-coating technology for the brightest, crispest images.
- ∴ **Super Light Weight (45g including frame).** Greatest user-comfort over extended periods.
- ∴ **Modern, Compact Design.** The advanced, compact, and functional design makes it easy to look past the optics when an unmagnified view is preferred.
- ∴ **Precise Optical Adjustment.** HEINE binocular loupes have independently-adjustable optics left and right to adjust the exact inter-pupillary distance (PD), and a 3-link adjustable mounting arm.
- ∴ **Water- and Dust-Resistant.** The loupes are water and dust resistant according to [IP65/IEC 60529 (2000)], ensuring ease of cleaning/disinfection.

Specifications	HR-C 2.5x/340 mm	HR-C 2.5x/420 mm
Magnification	2.5x	2.5x
Working distance	340mm	420mm
Field of view dia.	60mm	70mm
Weight with frame	50g	50g
Depth of Field	110mm	140mm



HR-C Binocular Loupe Sets with S-Frame

incl. 2 sterilisable swivel levers, retaining cord and cleaning fluid

Set-Configuration	Working-distance 340 mm	Working-distance 420 mm
with S-Frame in case	C-000.32.290	C-000.32.291
Optics (only), in case	C-000.32.265	C-000.32.266
Case		C-000.32.552



- ∴ **HEINE S-Frame®:** Innovative spectacle frame for HR-C Binocular Loupes. Appealing and functional design. Can be customized to fit any shape of head and face.



Accessories for HEINE S-Frame®/HEINE S-Guard®



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
Correction frame for corrective lenses	C-000.32.309
Protective lenses, large (lg), 1 pair	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

Headbands for HEINE HR®, HRP® und HR-C® Binocular Loupes



Professional L Headband

Highly-recommended for HRP and HR 2.5x prismatic loupes. Adjustable for height and width so that a comfortable fit is always assured. In this way the headband can be customized to fit one or more users perfectly.

- ∴ **Optics** can be swung out of the line of sight and returned to the original position in one easy movement.
- ∴ **Lets you combine the magnification optics** with your own glasses if preferred.
- ∴ **Comfortable head cushions front and back.** Fits any head shape.
- ∴ **Elongated optics mount for increased downward viewing angle (as far as 30°).** Ergonomic, upright posture for the examiner.

Professional Headband L

(without optics/without S-Guard splash protection)

C-000.32.549



Lightweight Headband

HEINE Lightweight Headband suitable for HR 2x and HR-C loupes. Weighs only 160g.

- ∴ **Adjustable optics** can be swivelled out of the line of sight.
- ∴ **Optics can be combined with your own glasses if preferred.**
- ∴ **Adjustable for width.**
- ∴ **Soft rubber headband for maximum comfort.**

Professional Headband

(without optics/without S-Guard splash protection)

C-000.32.516

Accessories for HEINE HR®, HRP® and HR-C Binocular Loupes



Universal Clip for HR 2x and HR-C Binocular Loupes	
Fits any spectacles. Can be used by various examiners.	
	C-000.32.518
Close-up Lenses for HR Binocular Loupes	
These give a working distance of 250 mm with the HR 2x/340mm and the 2.5x/340mm. A simple push – fit to the standard optics.	
for HR 2x/340mm	C-000.32.521
for HR 2.5x/340mm	C-000.32.523
Detachable Protective Lenses	
to protect the optics of the HR Binocular Loupes (5 pair).	C-000.32.537
to protect the optics of the HRP Binocular Loupes.	C-000.32.027
Sterilisable Swivel Levers	
The examiner can adjust the angle of the optics without touching them. (2 pieces)	
For HR 2x Binocular loupes (for the rigid loupe-carrier)	C-000.32.524
For HR 2.5x/HRP Binocular loupes (for i-View for S-Frame/ Professional L Headband) (5 pieces)	C-000.32.551
For HR-C Binocular Loupes (not shown)	C-000.32.299
Case	
For Binocular Loupe-Sets A/C and HR-C	C-000.32.552

HEINE Dental Adaptor for a viewing direction from 0 to 35°



Angle of declination without adaptor up to 20°



Angle of declination with adaptor up to 35°

Only for HR 2x and HR-C Binocular Loupes.

The angle at which your loupe optics are mounted to the frame is variable. The preferred viewing angle, or angle of declination is extremely important in preventing neck and back strain due to poor posture.

- ∴ **The standard mounting system** offers a maximum angle of declination of 20 degrees to reduce back and neck strain in most applications.
- ∴ **With the optional Dental Adaptor** the maximum angle of declination is increased to 35 degrees.

Dental Adaptor	C-000.32.528
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HEINE LEDL oupeLight®

Compact LED LoupeLight, ideal for ENT and dental use



- ⚡ Light
- ⚡ Coaxial shadowless illumination
- ⚡ 40.000 Lux/25cm distance

- ⚡ **Advanced LED Technology.** White, homogenous light, ideal for all surgical and dental applications.
- ⚡ **Coaxial Illumination.** Shadow-free illumination of cavities, ideal for ENT and dental applications. Ideal co-axial viewing with all HR/HRP loupes.
- ⚡ **Homogenous illumination of the whole field of view.** The light spot is ideal for HR/HRP loupe systems. 81 mm illumination field at 420 mm, 95 mm at 500 mm working distance.
- ⚡ **Compact, lightweight (24 g).** Ensures perfect comfort.
- ⚡ **Aluminium housing.** Robust, long lasting.
- ⚡ **Waterproof design.** Easy to clean.
- ⚡ **Fully-portable with mPack LL.** Autonomy at least 17 hours.
- ⚡ **Individual adjustment of the angle of view.** The right angle for every situation.
- ⚡ **Optional yellow filter reduces blue light.** Avoids premature hardening of composites.
- ⚡ **Registered Design.**

Technical Specification

Illumination	40.000 Lux at a working distance of 250 mm
Colour Temperature	Reference Colour Temperature of 6,250 Kelvin
LED Operating Life	1W Super-High Output LED rated at 50,000 hours operating life
Spot Adjustment	The illuminated field is ideally-suited to the HR/HRP loupes. 81 mm at 420 mm, 95 mm at 500 mm
Angle of Declination	Individually-adjustable for every examination
Optics	Top-quality, multi-coated achromatic optics produce a clearly defined light spot
Operating Time	mPack LL provides 17 hours of light at maximum brightness
Power Source	mPack LL

LED Loupe Light

for HR 2.5x und HRP Binocular Loupes [01] for i-View loupe mount	C-008.32.236
for HR 2x und HR-C Binocular Loupes [02] for rigid loupe mount	C-008.32.238
Detachable yellow filter (optional)	C-000.38.241

LED LoupeLight sets for HR/HRP/HR-C Binocular Loupes

- Set A:** LED LoupeLight with mPack LL and EN50, yellow filter
- Set B:** LED LoupeLight with mPack LL and plug in transformer, yellow filter



Set-Configuration for:	HR 2.5x/ HRP Binocular Loupes	HR 2x/ HR-C Binocular Loupes
A	C-008.32.375	C-008.32.376
B	C-008.32.378	C-008.32.379

HEINE C2.3® 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.
- ∴ **Low profile design.** Compact, low profile optics allow the user to easily look over the loupes for non-magnified view.
- ∴ **Super lightweight and comfortable – only 46 g.** Flexible coil temples wrap-around to fit the users anatomy securely and comfortably. Spring-loaded temples will adjust to the user's anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C 2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340mm or 450mm (13 or 18 inches).



C 2.3K

Specifications	C2.3x/340 mm	C2.3x/450 mm
Magnification	2.3x	2.3x
Working distance	340mm	450mm
Field of view dia.	110mm	130mm
Weight	46g	46g

User's refractive error	Effective working distance C2.3x/340 mm	Effective working distance C2.3x/450 mm
+2	440mm	670mm
+1	390mm	560mm
0	340mm	450mm
-1	300mm	420mm
-2	270mm	370mm

Important information for those who wear glasses:

The C 2.3K Series loupe can also be worn without the use of spectacles. Should you prefer to examine without glasses, the charts illustrate how your refractive error will affect the loupe working distance. If you are unsure of your prescription, please consult your eye care provider.

C2.3/C 2.3K Binocular Loupes

C2.3/340 Loupe in case	C-000.32.039
C2.3/450 Loupe in case	C-000.32.202
C2.3K/340 Headband loupe in case	C-000.32.230
C2.3K/450 Headband loupe in case	C-000.32.231

Accessories



C2.3/C2.3K Binocular Loupe Accessories	
Protective case for the C 2.3 loupes and accessories	C-000.32.038
Detachable protective lenses for C 2.3 and C 2.3K. To protect the optics of the C 2.3 and C 2.3K loupes. Can be sterilized by conventional methods	C-000.32.097



HEINE 3SLEDH eadLight®

Powerful LED Illumination



3S LED HeadLight with headband Professional L



3S LED HeadLight with headband Standard L

The ultra bright and compact 3SLED HeadLight for powerful, coaxial illumination.

- ∴ **50,000 Lux of bright, white light.** With a reference Colour Temperature of 6,250 Kelvin and an extraordinary 50,000 Lux of Illumination.
- ∴ **Compact and lightweight.** The compact design ensures clear, unobstructed co-axial illumination. The 3SLED HeadLight weighs only 70 grams, ensuring user comfort even during long periods of use.
- ∴ **Flexibility. Continuously-adjustable spot size and brightness control.** Mains or portable power supply. Integrated attachment options for HR/HRP Binocular Loupes and Prism optics for Video adaptation.
- ∴ **Micro-Absorption System** for the Integrated Cooling Fan ensures quiet and vibration-free operation.
- ∴ **Optional yellow filter** reduces blue light. Can be selected to avoid premature hardening of composite materials.

Technical Specification

Illumination	50 000 Lux at a working distance of 250mm.
Colour Temperature	Reference Colour Temperature of 6,250 Kelvin
LED Operating Life	1 W Super-High Output LED rated at 50,000 hours operating life
Spot Adjustment	Continuously-adjustable Iris Aperture, 20 mm to 100 mm illuminated field diameter (at 500 mm). Small diameter is ideal for ENT and Dental Applications.
Angle of Declination	Fully Adjustable for precise user selection.
Rheostat	Headband-mounted. Positive 'Off' Switch. Illuminated 'On' indicator. Integrated voltage regulator.
Optics	Advanced multi-coated glass optics for maximum brightness
Operating Time	10 hours with mPack and Li-ion battery for 70 % more capacity than with conventional rechargeable batteries. 4 hours with mPack UNPLUGGED. Unlimited operating time when connected directly to mains power supply.
Power Sources	Plug-in transformer, mPack, EN 50, mPack UNPLUGGED, EN 50 UNPLUGGED

- ∴ Attachment options for Loupes
- ∴ 50,000 Lux at 25 cm
- ∴ LED operating life: 50,000 hours
- ∴ Adjustable spot size

HEINE 3SLEDH eadLight®

Powerful LED Illumination

Expansion options:

The 3SLED is optionally supplied with **HR/HRP Binocular Loupes** incl. i-View LoupeBracket and S-Guard splash protection (see 3SLED/HR, HRP Kit). The binocular loupe is fully adjustable for every examiner and for every examination axis.



[01]

• **HEINE S-Guard®** [01]. Rapid and simple adjustment of binocular loupes while on the head thanks to S-Guard with splash protection by means of protective lenses. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip once their position has been set. The ergonomic nose pad also ensures a comfortable and secure position for the binocular loupe. Small protective lenses are optional.

• **HEINE i-View® LoupeBracket for 3SLED.** The headlight and binocular loupes can be moved independently. If no magnification is required during the examination, the binocular loupe can be retracted without changing the previously-selected setting. The illumination remains fixed on the point where light is required. The synchronized adjustment mechanism allows simple single-handed operation to return the binocular loupes to exactly the same position, i.e. all previously selected settings remain. Possible to mount a sterilizable lever [01].

• **Video application.** Ideally-suited for teaching, research, patient education, digital patient history. 3SLED HeadLight with A-Cam video camera, A-Cam Processor and prism optics. Optional PAL or NTSC format. Please specify when ordering.



Monitor and binocular loupes not included.

3SLED HeadLight with headband Professional L

3SLED HeadLight with headband Professional L	J-008.31.310
with headband Professional L, plug-in transformer and headband-mounted brightness control	J-008.31.311
same, with mPack and plug-in transformer	J-008.31.313

3SLED HeadLight with headband Professional L and video camera

A-Cam and prism optics, with C-Mount and A-Cam Processor, EN50 Rheostat Control Module, extension Cord Cinch-Cinch, 2m. PAL or NTSC format (please specify)	J-008.31.336
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Power sources and accessories

mPack and plug-in transformer	X-007.99.672
HEINE plug-in transformer for 3SLED HeadLight / OMEGA500	X-095.16.320
Detachable yellow filter	J-000.31.321
Combi-case	C-079.03.000
Prism Optics with C-mount for 3SLED HeadLight	J-000.31.320
A-Cam camera with processor (available systems: PAL or NTSC, please specify when ordering)	J-000.31.201





HEINE 3SLEDH eadLight® UNPLUGGED

with headband battery (rechargeable) - mPack UNPLUGGED



100 % mobility – for absolute freedom of movement!
The 3S LED HeadLight with mPack UNPLUGGED 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.
- ∴ **Charge status indicator.** Indication of remaining operating time. Can be charged by **wall or plug-in transformer.**
- ∴ **Direct operation possible while charging** through the use of the mobile plug-in transformer.
- ∴ **Charging time** 2 hours.
- ∴ **mPack UNPLUGGED rechargeable battery.** Operating time 4 hours.
- ∴ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit). Battery-friendly charging.
- ∴ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology (selected non-flammable materials). UL-compliant.
- ∴ **System compatibility** with mPack for even greater capacity.

∴ 100 % freedom of movement

∴ Low weight

∴ LED charge status indicator

3SLED HeadLight UNPLUGGED

on Professional L headband

with mPack UNPLUGGED and plug-in transformer	J-008.31.315
with wall unit EN50 UNPLUGGED and 2x mPack UNPLUGGED	J-008.31.316

Extension Cord UNPLUGGED-UNPLUGGED, 2 m	X-000.99.668
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HEINE 3SLEDH eadLight® Kits and UNPLUGGED Kits



Recommended 3SLED/HR, HRP Kits

Recommended Product Order Configurations to ensure the most flexibility the 3SLED/HR/HRP System has to offer. The following kits include main system elements but no carrying case or ancillary accessories:

Consisting of 3SLED with headband Professional L, mPack and plug-in transformer, headband-mounted brightness control, S-Guard splash protection, i-View Loupe Bracket, cleaning fluid

Kit 1:	with HR Binocular Loupe 2.5x/340mm	J-008.31.345
Kit 2:	with HR Binocular Loupe 2.5x/420mm	J-008.31.346
Kit 3:	with HRP Binocular Loupe 3.5x/420mm	J-008.31.347
Kit 4:	with HRP Binocular Loupe 4x/340mm	J-008.31.348
Kit 5:	with HRP Binocular Loupe 6x/340mm	J-008.31.349

Recommended 3SLED UNPLUGGED/HR, HRP Kits

Contents similar to 3SLED/HR, HRP Kits 1-5 but with:
Wall unit EN50 UNPLUGGED with 2x mPack UNPLUGGED.

Kit 6:	with HR Binocular Loupe 2.5x/340mm	J-008.31.390
Kit 7:	with HR Binocular Loupe 2.5x/420mm	J-008.31.391
Kit 8:	with HRP Binocular Loupe 3.5x/420mm	J-008.31.392
Kit 9:	with HRP Binocular Loupe 4x/340mm	J-008.31.393
Kit 10:	with HRP Binocular Loupe 6x/340mm	J-008.31.394



[01]

Retrofitting set incl. HR/HRP binocular loupe

The retrofit set allows you to also equip your 3SLED HeadLight with a binocular loupe, S-Guard splash protection and i-View LoupeBracket:

Consisting of S-Guard splash protection, i-View LoupeBracket, sterilizable swivel lever, cleaning fluid

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 LoupeBracket	C-000.32.399
Yellow filter for dental applications [01]	J-000.31.321

HEINE MD 1000® Fiber Optic (F.O.) Headlight



- ∴ **Compact, high-tech optics** for homogeneous, exceptionally-bright illumination.
- ∴ **Ultra-light, highly-flexible fiber optic cable** with gown clips, length 3m.
- ∴ **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 High Resolution Binocular Loupes** for magnification from 2x – 6x.
- ∴ **Can be fitted with a CCD camera.**
- ∴ **Light sources: HK 7000, XENON 1000 F.O. Projector.**
Length of the F.O. cable: 3m.
Adaptors for other manufacturers' projectors available.
- ∴ **50,000 lux light output at 20 cm** with HK 7000 projector.

For more information about F.O. projectors, see page 130.

∴ Ultra light F.O. Headlight

∴ 50,000 lux light output at 20 cm

∴ Adjustable light spot

Expansion options:

The MD 1000 F.O. is optionally supplied with HR/HRP binocular loupes incl. i-View LoupeBracket and S-Guard splash protection (see MD 1000 F.O./HR, HRP Kit). The binocular loupe is fully adjustable for every examiner and for every examination axis.



[01]

- ∴ **HEINE S-Guard® Splash protection [01].** Rapid and simple adjustment of binocular loupes while on the head thanks to S-Guard with splash protection by means of protective lenses. Once set, the binocular loupe always stays in the ideal position. The fixed position of the binocular loupes on the S-Guard splash protection and the rigid connection between the headband and the nose pad ensure that the binocular loupes do not slip once their position has been set. The ergonomic nose pad also ensures a comfortable and secure position for the binocular loupe. Small protective lenses optional.



- ∴ **HEINE i-View® LoupeBracket for MD 1000.** The headlight and binocular loupe can be moved independently. If no magnification is required during the examination, the binocular loupe can be retracted without changing the previously-selected setting. The illumination remains fixed on the point where light is required. The synchronized adjustment mechanism allows simple, single-handed operation to return the binocular loupe to exactly the same position, i.e. all previously selected settings remain. Possible to mount a sterilizable lever.

- ∴ **Video application.** Ideally-suited for teaching, research, patient education, digital patient history. MD 1000 F.O. Headlight with A-Cam video camera, with A-Cam Processor and prism optics.

HEINE MD 1000® Fiber Optic (F.O.) Headlight



MD 1000 F.O. Headlight fitted with prism optics and C-mount CCD camera A-Cam.

MD 1000 F.O. Headlight with headband Professional L

MD 1000 F.O. Headlight with sterilizable adjuster sleeve and three gown clips	J-003.31.231
MD 1000 Headlight with video A-Cam camera and prism optics, with C-Mount and A-Cam Processor, without projector	J-003.31.236

Light sources and accessories

HK 7000 F.O. Projector, complete	Y-096.15.121
XENON 1000 F.O. Projector, complete	Y-096.15.117
Spare bulb for XENON 1000 F.O. Projector, 100W	Y-096.15.108
Spare bulb for HK 7000 F.O. Projector, 150W	Y-096.15.102

Adaptor MD 1000 for HR/HRP/HR-C series loupes	J-000.31.212
Video prism optics for MD 1000 F.O.	J-000.31.208
A-Cam camera with processor (available systems: PAL or NTSC, please specify when ordering)	J-000.31.201

Recommended MD 1000 F.O./ HR 2.5x/HRP Kits

Recommended Product Order Configurations to ensure the most flexibility the MD 1000 F.O./HR, HRP System has to offer. The following kits include main system elements but no carrying cases or ancillary accessories.

Please order desired projector separately:

Consisting of MD 1000 F.O. with headband Professional L, S-Guard splash protection, i-View LoupeBracket, cleaning fluid

Kit 1: with HR Binocular Loupes 2.5x/340mm	J-003.31.245
Kit 2: with HR Binocular Loupes 2.5x/420mm	J-003.31.246
Kit 3: with HRP Binocular Loupes 3.5x/420mm	J-003.31.247
Kit 4: with HRP Binocular Loupes 4x/340mm	J-003.31.248
Kit 5: with HRP Binocular Loupes 6x/340mm	J-003.31.249

Retrofitting set incl. HR 2.5x/HRP binocular loupes

The retrofit set allows you to also equip your MD 1000 F.O. Headlight with a binocular loupe, S-Guard splash protection and i-View LoupeBracket:

Consisting of S-Guard splash protection, i-View LoupeBracket, sterilizable swivel lever, cleaning fluid

with HR Binocular Loupes 2.5x/340mm	J-000.31.270
with HR Binocular Loupes 2.5x/420mm	J-000.31.271
with HRP Binocular Loupes 3.5x/420mm	J-000.31.272
with HRP Binocular Loupes 4x/340mm	J-000.31.273
with HRP Binocular Loupes 6x/340mm	J-000.31.274

5 Steri-levers for i-View LoupeBracket	C-000.32.399
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Voltage: 230V is the standard voltage for mains instruments. If a different voltage is required, e. g. 120V, please specify when ordering.

Note: HEINE rechargeable power sources and transformers conform to the IEC 60601-1 Standard.



All 3.5V rechargeable handles are also available from HEINE with Lithium-Ion technology, except BETA SLIM and small F.O. Laryngoscope handles.

- ∴ **Double the capacity** - up to 120min working time without recharging.
- ∴ **Lightweight and convenient.**
- ∴ **No more memory effect.** Full capacity whenever needed.
- ∴ **Redesigned rheostat and handle head for better ergonomics and easier cleaning.**

The HEINE BETA® Range of Handles

One module. Multiple charging options



The handle module **X-000.99.010** 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

BETA battery handle 145 x 30mm dia. (batteries not included; appropriate batteries: IEC LR14) **X-001.99.118**

BETA extension piece. Converts any BETA handle into a 3.5V battery handle – will not fit case. **X-000.99.020**

BETA Bottom insert **X-000.99.119**

BETA L Li-ion rechargeable handle

With LED charge status display in the BETA L 3.5V bottom insert.

- ∴ **Rechargeable handle with Li-ion battery.** Fast charge in 2 hours with the NT 300 charger.
- ∴ **Rechargeable handle with charge status display in the bottom insert.** Display lights for 10 seconds when the handle is switched on or removed from the charger.
- ∴ **No memory effect.** Full power at any time without loss of capacity.
- ∴ **Updates:** Existing 3.5V BETA handle can be converted to BETA L by substituting the Li-ion L battery and BETA L bottom insert.
- ∴ **Ready to use feature:** 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.
- ∴ **Compatible with previous chargers** (NT200, Nicatron).



BETA L Li-ion rechargeable handle 3.5V

BETA L Handle 145x30mm Ø, with Li-ion L rechargeable battery, complete **X-007.99.395**

BETA L Bottom insert with charge status display **X-002.99.396**

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

∴ Fast charge capability / 2 h

∴ Charge status display

The HEINE BETA® Range of Handles

NEW DESIGN



BETA NT Rechargeable Handle	3.5V NiMH	
BETA NT rechargeable handle 145 x 30mm dia. with NiMH rechargeable battery		X-002.99.411
BETA NT bottom insert		X-002.99.412



BETA TR Rechargeable Handle	3.5V NiMH	3.5V
BETA TR handle 145 x 30mm dia., with 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-000.99.308	X-000.99.308
BETA TR bottom insert	X-002.99.385	X-002.99.385



BETA R Rechargeable Handle	3.5V NiMH	3.5V
BETA R 170 x 30mm dia. The BETA R 3.5V 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



BETA Cord Handle		2.5/3.5/6V
BETA cord handle 145 x 30mm dia., for 2.5V, 3.5V or 6V connection, maximum cord length extended: 3m		X-000.99.212
BETA cord handle bottom insert (with cord)		X-000.99.213

Recommended power sources for BETA Cord Handle		2.5/3.5/6V
Table Top Transformer E9, for all 2.5V, 3.5V and 6V instruments		X-095.13.200
Plug-in transformer E7. An economically-priced power source for the 6V hand-held indirect ophthalmoscope		X-095.16.100



HEINE BETA® Range of Handles - Accessories



	3.5V NiMH	3.5V LI ION	3.5V LI ION L
Rechargeable battery 3.5V for BETA rechargeable handles	X-002.99.382	X-007.99.381	X-007.99.383
	[01]	[02]	[03]
BETA Belt Clip			X-000.99.008

- All full-size BETA handles can be updated to BETA L 3.5V handles by substituting the Li-ion L 3.5V battery and the BETA L bottom insert.
- Max. 4 hours recharge time with NiMH. 2 hours with Li-ion.
- Retro-compatible. All rechargeable batteries can also be charged in existing NT200 and Nicatron chargers.

Please note: The Li-ion L battery is not compatible with unmodified BETA R, TR and NT 3.5V handles and bottom inserts.

HEINE Large Battery Handle



Dimensions: 165x37 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	2.5V
Battery handle for 2 alkali-manganese batteries, size D	X-001.99.120

HEINE BETAS LIM® Battery /Rechargeable Handle



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

A compact handle with automatic connector for those who prefer a slim handle. Rechargeable in NT300 charger fitted with the small adaptor ring. Batteries not included.

BETA SLIM battery/rechargeable handle	2.5V	3.5V NiMH
BETA SLIM battery handle	X-001.99.105	
BETA SLIM rechargeable handle with 3.5V M3Z NiMH battery		X-002.99.471
Rechargeable battery 3.5V M3Z NiMH		X-002.99.106

HEINE mini 3000® Battery Handle

Patent # 102006054068.9-35

Innovative, compact battery handle in a high-quality, modern design. Suitable for all mini 3000 instruments.



- ∴ **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.
- ∴ **Oval, compact, stylish shape.** Lies ergonomically in the hand.
- ∴ **Screw-on end cap.** For easy battery change.
- ∴ **Threaded connector made of metal.** Prevents wear.
- ∴ **Complete range of mini 3000 instruments.** Versatile range.
- ∴ **Replaceable batteries.** Size AA.
- ∴ **Registered Design.**

- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to the mini 3000 rechargeable handle. Fully-automatic charging with the mini NT charger.



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

All 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 mini NT® charger set for mini 3000



[01]

∴ **Fast charge capability**

∴ **Automatic charging**

∴ **Charge indicator**

mini NT charger set 2.5V. Consists of the mini NT charger, 2 mini NT rechargeable batteries and 2 bottom inserts for the mini 3000 rechargeable handles. With this set, existing mini 3000 handles can be updated to the 2.5V rechargeable system. Optional adaptor set for mini 2000.

mini NT charger: Width 112mm, Height 50mm, Depth 52mm, Weight 270g.

- ∴ **Innovative, compact design. Practical and spacesaving.**
- ∴ **Two independant charging compartments.** Complete functionality for one or two handles at a time. Two handles can be charged at a time.
- ∴ **Fast charge feature.** 4 hours to recharge a mini NiMH 2.5V rechargeable battery.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Can not be overcharged.** Charger switches off automatically when the battery is fully-charged.
- ∴ **Charge status display.** Light pulses from the charging compartment confirm the charging mode.
- ∴ **No memory effect.** Full power at any time without loss of capacity.

Please note: Suitable only for mini 2.5V NiMH rechargeable battery.

mini NT charger set for mini 3000	2.5V
mini NT charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485

Rechargeable battery NiMH 2Z [02]	X-001.99.487
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mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



[02]



[03]



[04]



[05]



HEINE NT300® charger

The best in performance and quality



Dimensions: Width 142 mm, Height 61 mm, Depth 66 mm, Weight 830 g.
The NT 300 charger automatically charges HEINE rechargeable batteries irrespective of their state of charge or their output voltage. The rechargeable battery cannot be overcharged. With the appropriate adaptor set it is possible to recharge all BETA L, BETA NT, BETA SLIM rechargeable handles and laryngoscope rechargeable handles in the same NT300.

- ∴ **Innovative, compact design. Practical and spacesaving.**
- ∴ **Two independant charging compartments.** Complete functionality for one or two handles at a time.
- ∴ **Fast charge feature.** 2 hours to recharge a BETA L rechargeable handle with Li-ion L rechargeable battery. 4 hours for other rechargeable handles.
- ∴ **Automatic charging.** Independant 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 confirm the charging mode.
- ∴ **Compatible** with BETA L, BETA NT, BETA SLIM (with adaptors), Nicatron N, Nicatron S rechargeable handles (NiMH, Li-ion and Li-ion L).

- ∴ Fast charge capability
- ∴ Automatic charging
- ∴ Charge indicator

NT 300 charger	3.5V
Charger without handle, with adaptors for BETA handles [03]	X-002.99.495
Two adaptors for BETA SLIM rechargeable handles [01] + [02]	X-000.99.086



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, E9.

Lamp Handle	6V
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with switch and XHL Xenon Halogen bulb	X-004.99.607
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Spare bulb	X-004.88.060
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Extension cord. Suitable for all HEINE instruments and power sources with Cinch connector. Length of cable 1.6m.	X-000.99.207
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HEINE Cords witch



On/Off switch. Suitable for all HEINE instruments and power sources with Cinch connector.

Cord switch	X-095.16.202
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Plug-in transformer HEINE E7®



6V/6W max. Power source, suitable for lamp handle or BETA Cord Handle.

E7	6V
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Plug-in transformer E7	X-095.16.100
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same, with lamp handle and switch	X-095.16.102
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Plug-in transformer HEINE E8®

Power source for SIGMA KC



6V/10W Powerful, economically-priced electric supply unit.

E8	6V
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Plug-in transformer E8	X-095.16.201
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same, with cord switch	X-095.16.200
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Plug-in transformer for the HEINE 3SLED / OMEGA 500



9V/16W. Powerful electric supply unit for the 3SLED / OMEGA 500.

Plug-in transformer for 3SLED / OMEGA 500	X-095.16.320
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Table top transformer HEINE E9®



2.5V/3.5V/6V/0.8 A max. (Suitable for all cord handles with Cinch plug.)
For all 2.5V and 3.5V instruments and for the 6V lamp handle.
Dimensions: Width 110mm, Height 70mm, Depth 170mm. Weight: 660g.

- ∴ **Choice of voltage.** Versatile – equally suitable for oto- and ophthalmoscope as for proctological use.
- ∴ **Durable yet compact with non-slip rubber feet.** Tough, non-slip design.

Table top transformer E9

X-095.13.200

Please note: Older cord handles with a dual-branch plug system can be adapted by replacing this with a Cinch plug. Not compatible with LED instruments.

Wall Transformer HEINE EN50® UNPLUGGED

Intelligent charger for mPack UNPLUGGED



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

- ∴ **Charger and wall-mount in one.** The wall transformer serves as an instrument holder and a charger at the same time.
- ∴ **Intelligent charging system.** The instrument automatically switches off and goes into charging mode when placed in wall transformer. It is impossible to overcharge the mPack UNPLUGGED; the process ends automatically when charging is completed.
- ∴ **Simultaneous charging.** The charging system charges the battery on the headband as well as an additional single spare battery.
- ∴ **Compatible transformer (100–240V).** Multi-voltage power supply unit incl. 4 different mains adaptors.
- ∴ **Registered Design.**

Wall unit EN50 UNPLUGGED (without mPack UNPLUGGED) 6V

X-095.17.310

HEINE mPack® UNPLUGGED



Rechargeable battery for OMEGA 500 Indirect Binocular Ophthalmoscope UNPLUGGED and 3SLED HeadLight UNPLUGGED.

- ∴ **Lightweight with balanced weight distribution.** High level of comfort.
- ∴ **Charge status display.** Display of remaining operating time.
- ∴ Can be recharged by **wall- or plug-in transformer.**
- ∴ **Direct operation possible while charging** through the use of the mobile plug-in transformer.
- ∴ **Charging time:** 2 hours.
- ∴ **mPack UNPLUGGED Akku.** Operating time: 2 hours.
- ∴ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit). Battery-friendly charging.
- ∴ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology (selected non-flammable materials). UL-compliant.
- ∴ **Registered Design.**

mPack UNPLUGGED

6V

mPack UNPLUGGED

X-007.99.665

Transformer UNPLUGGED for mPack UNPLUGGED

X-095.16.316

Lithium-Polymer rechargeable battery for mPack UNPLUGGED

X-007.99.680

Extension Cord transformer / UNPLUGGED, 2m

X-000.99.668

- ∴ **Headband battery (rechargeable)**
- ∴ **LED charge status display**



Headband Rheostat HEINE HC 50®

Fingertip Illumination Control for OMEGA 500/UNPLUGGED



[01]



[02]

- ∴ **Left or right sided Mounting Options** – can be mounted on the right or left side of the OMEGA Headband.
- ∴ **Can be combined with EN50 and mPack.**
- ∴ **100–240V Compatible Transformer incl. 4 plugs for world wide compatibility.**
- ∴ **For use with OMEGA 500 only.**

HC 50	6V
HC 50 Headband Rheostat with transformer HC 50, Connecting cord	X-095.16.324
HC 50 Headband Rheostat (without transformer) [01]	X-095.16.323
Transformer for HC 50 headband brightness control [02]	X-095.16.320
Connecting Cord UNPLUGGED-Cinch	X-000.99.667

HEINE mPack®/HEINE mPackLL®



∴ 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 3x the capacity of conventional NiCd systems.** More than double of other Li-ion systems. No memory effect.
- ∴ **Fast Charge.** Charges to full capacity in just 2 hours.
- ∴ **Charge status display.** Always lets you know how much operating charge you have left.
- ∴ **Flexible Charging Options.** Charge in the EN50 base station, or with mobile transformer.
- ∴ **Intelligent.** Automatically switches to “charge” mode when inserted in EN50. Can also be used as mains power supply even while in “charge” mode.
- ∴ **Automatic remote power adjustment** for compatibility with all HEINE 6V and selected LED instruments.
- ∴ **Flexible Illumination Control.** Can be used in conjunction with HC50 Headband Mounted Rheostat.
- ∴ **100–240V Compatible Transformer** incl. 4 plugs for world wide compatibility.

Note:

mPack is only compatible with: OMEGA 500, OMEGA 200, SIGMA 150, SIGMA 150 M2, SIGMA 150 K, SIGMA 150 KM2, Hand-held Indirect Ophthalmoscope, MONOCULAR, Hand-held Indirect Ophthalmoscope BINOCULAR, BETA Cord Handle, 3S LED HeadLight.

mPack LL only compatible with LED Loupelight.

- ∴ **Brightness control from 0,5 – 100 %**
- ∴ **Capacity with LED Loupelight:** 17 hours from fully charged under full load.



[01]



[02]



[04]



[03]

mPack /mPack LL	6V
EN50 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 transformer	X-007.99.672
same, with mPack LL	X-007.99.660
LI ION mPack with Li-ion rechargeable battery, without transformer	X-007.99.671
same, with mPack LL	X-007.99.661
Li-ion rechargeable battery for mPack/mPackLL	X-007.99.676
Transformer for mPack/mPackLL [04]	X-095.16.315
Plug-in 90° Angled Adaptor (for EN50/mPack/mPack LL) [03]	C-000.33.509



Wall-/Table-Transformer HEINE EN 50®

Modular Power Supply System



The EN50 Modular Power Supply System (patent pending) offers unsurpassed flexibility and innovative new features. It powers the OMEGA500 and 3SLED and automatically adjusts output to power all existing HEINE 6V and selected LED products (Examination Lights). The EN50, mPack and HC50 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 mobile charging system (patent pending).
- ∴ **Upgradeable**, mPack charging base by simple removal of the control module.
- ∴ **Soft Start Technology**, A gradual introduction of current reduces bulb “shock” and extends bulb life.
- ∴ **100–240V Compatible Transformer** incl. 4 plugs for world wide compatibility.
- ∴ **Registered Design**.

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



EN 50	6V
EN50 Wall/ Table unit with Rheostat Control Module (incl. 90° Angled Adaptor, Extension Cord Cinch-Cinch 2m, Instrument support) [01]	X-095.17.301
Rheostat Control Module for EN50 [02]	X-095.17.305
EN50 Base unit (without Rheostat Control Module) [03]	X-095.17.300
Plug-in 90° Angled Adaptor (for EN 50/mPack/without instrument support) [04]	C-000.33.509
Instrument support for Headband	C-000.33.511
Instrument support for S-Frame and LED LoupeLight	C-000.33.512

HEINE EN 100® Wall Transformer

Performance you can depend on



- ∴ **Suitable for all HEINE 3.5V instruments**.
- ∴ **The EN100 provides a constant 3.5V output voltage independent of mains voltage fluctuations**. Economical in use, always the right amount of light and environmentally-friendly, no batteries necessary.
- ∴ **Magnetic On/Off mechanism. No moving parts that can wear out or be damaged**. Durable and maintenance-free. Once selected, the brightness remains the same.
- ∴ **Soft start avoids current surge during the switch-on phase**. Protects bulbs in the critical switch-on phase and prolongs bulb life. Economical in use.
- ∴ **Advanced, ergonomic handle design**. Continuous brightness control on the handle. Quality spiral cords with a comfortable working radius of up to 3m. Instrument locks as standard equipment prevent unauthorised removal.
- ∴ **Flexible extension option**. Freely expandable with additional extension unit.

- ∴ Soft Start Technology
- ∴ Lockable handles
- ∴ Magnetic On/Off mechanism
- ∴ Optional Extension Unit

EN 100 Wall Transformer	3.5V
EN100* (Basic Unit with two handles) [01]	X-095.12.110
EN100-1* (Single Unit with one handle) [02]	X-095.12.109
Extension Unit* [03]	X-095.12.135

*without instruments



[02]

[03]



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, 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.

New: 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

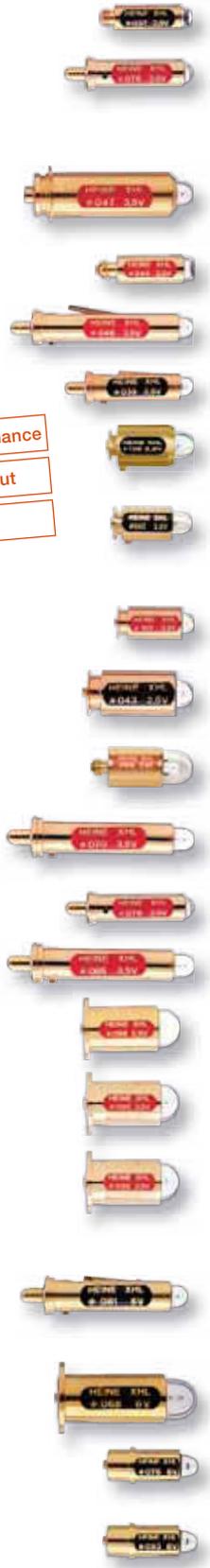
	General Medicine and ENT instruments	2.5V	3.5V
	Amnioscope*		X-002.88.044
	Diagnostic Oscopes, K100 and BETA 100, Operating Otoscope, Curved Laryngeal Mirror (for 3.5V: X-002.88.062), Tongue blade holder, alpha+ F.O. Otoscope, alpha+ Tongue blade holder	X-001.88.037	X-002.88.049
	mini3000 F.O. Otoscope	X-001.88.105	
	mini2000 F.O. Otoscope*, alpha Otoscope*, mini3000 Tongue-blade holder, mini and alpha Tongue-blade holder*	X-001.88.037	
	mini-c clip lamp	X-001.88.108	
	mini3000 clip lamp, mini3000 combi lamp	X-001.88.107	
	mini Fibrilux*, mini2000 combi lamp*, mini2000 clip lamp*	X-001.88.041	
	minilux* Otoscope, mini2000 Otoscope*	X-001.88.056	
	mini 3000 Otoscope	X-001.88.110	
	Straight laryngeal mirror, laryngeal mirror mini3000	X-001.88.057	X-002.88.063
	BETA200, and K180 Oscopes, Multi-purpose Illuminator	X-001.88.077	X-002.88.078
	ClipLight	X-001.88.094	
			6V
	SL350 headlight*		X-004.88.068
	UBL 100* Illuminated head for binocular loupes		X-004.88.080

* no longer available



HEINE XHL® Xenon Halogen Bulbs

- ∴ Exceptional performance
- ∴ Optimum light output
- ∴ Extreme long life



VET instruments	2.5V	3.5V
BETA 100VET Oscope, Slit Illumination Head	X-001.88.037	X-002.88.049
BETA 200VET Oscope, Slit Illumination Head	X-001.88.077	X-002.88.078
Hand-held ophthalmic instruments	2.5V	3.5V
Autofoc*, Examination Lamp with automatic connector	X-001.88.032	X-002.88.047
Glaucotest*, alpha+ Finoff	X-001.88.035	X-002.88.044
Miroflex* Ophthalmoscope, HFR2 Spot Retinoscope*	X-001.88.038	X-002.88.046
Focalux with automatic connector	X-001.88.039	X-002.88.091
mini3000 Ophthalmoscope	X-001.88.106	
alpha Ophthalmoscope*, mini2000 Ophthalmoscope*, alpha Focalux*, mini Miroflex*, mini3000 Focalux, mini2000 Focalux*	X-001.88.042	
alpha+ Ophthalmoscope , alpha+ Focalux	X-001.88.042	X-002.88.101
alpha+ Ophthalmic Examination Light, alpha ophth. Examination Light – 2.5V*	X-001.88.043	X-002.88.102
HSR2 Retinoscope*	X-001.88.058	X-002.88.048
BETA200S, BETA200M2, BETA200 Ophthalmoscope	X-001.88.069	X-002.88.070
LAMBDA 100 Retinometer, Diascleral Transilluminator*, Finoff	X-001.88.077	X-002.88.078
K 180 Ophthalmoscope	X-001.88.084	X-002.88.086
BETA200 Streak Retinoscope, alpha+ Streak Retinoscope	X-001.88.087	X-002.88.089
BETA200 Spot Retinoscope, alpha+ Spot Retinoscope	X-001.88.088	X-002.88.090
HSL 100*, HSL 150 and alpha+ HSL 150 Hand-held Slit Lamp	X-001.88.098	X-002.88.099
	3.5V	6V
Indirect Hand-held Ophthalmoscope	X-002.88.050	X-004.88.081
Head-worn ophthalmological instruments		6V
OMEGA 100*, 150*, 180*, 200		X-004.88.068
SIGMA 100* Indirect Ophthalmoscope		X-004.88.076
SIGMA 150 Indirect Ophthalmoscope, SIGMA 150M2, Sigma 150K Headworn Indirect Ophthalmoscope		X-004.88.093

* no longer available

HEINE XHL® Xenon Halogen Bulbs



		6V
OMEGA500 (5W) standard equipment (not shown)		X-004.88.111
OMEGA 500 (10W) optional for twice the brightness		X-004.88.104
Laryngoscopes	2.5V	3.5V
F.O. Laryngoscope handle, 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	
Dermatoscopes and illuminated loupes	2.5V	3.5V
mini3000 Dermatoscope	X-001.88.109	
alpha Illuminated Loupe*, alpha+ Illuminated Loupe, alpha+ Dermatoscope, mini 2000 Dermatoscope*	X-001.88.034	X-002.88.053
DELTA 10*, Illuminated Loupe with automatic connector	X-001.88.038	X-002.88.046
DERMAPHOT* 2.2V vacuum bulb	X-000.88.082	
Proctological instruments	2.5V	3.5V
Illumination head for Spreadable Anal Speculum*	X-001.88.035	X-002.88.044
Proctoscope head for proximal illumination	X-001.88.040	X-002.88.051
Illumination adaptor for F.O. instruments		X-002.88.078
		6V
Lamp Handle		X-004.88.060

HEINE Projector Bulbs



Projector	Halogen	Xenon
F.O. Projector HK 4000*/100W	Y-096.15.103	
F.O. Projector HK 6000*, 7000/150W	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

* no longer available

These bulbs are delivered singly.



Fiber Optic (F.O.) Projector HEINE XENON 1000®



The extraordinary light output of up to 125,000 lux and a colour temperature of 6,000K – close to daylight – make the XENON 1000 the light source of choice for the most demanding examination conditions. Dimensions are identical to HK 7000.

- ∴ **High-Tech 100W Xenon bulb.** Close to daylight.
- ∴ **Extended bulb life** of up to 300 hours.
- ∴ **Electronic control of mains voltage.**
- ∴ **Aspheric illumination optics.** Intense light with high colour temperature.
- ∴ **Continuous light intensity adjustment without colour temperature changes.**
Allows brightness reduction with no red shift of light.
- ∴ **Folding handle.** Easy to transport.
- ∴ **For desk, wall, or floor-mounting.** Adaptable to individual needs.

- ∴ Continuous brightness control
- ∴ Xenon bulb
- ∴ Color temperature of 6,000K

F.O. Projector XENON1000	
XENON 1000, fuse included	Y-096.15.117
XHL Xenon spare bulb 100W	Y-096.15.108

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



The F.O. Projector HK7000 incorporates a special long-life halogen bulb rated at 150 Watts. If more light is needed for a particular examination, a boost switch can be operated, giving up to 40% more light. Suitable for all HEINE Systems with fiber optic illumination. Dimensions: Width 177 mm, Height 125 mm, Depth 217 mm. Weight 3,700g.

- ∴ **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 floor-mounting.** Adaptable to individual needs.

- ∴ Continuous brightness control
- ∴ +40% Boost switch

F.O. Projector HK7000	
HK 7000, 150W XHL Halogen spare bulb and fuse included	Y-096.15.121
Spare fuse	Y-096.15.110
XHL Halogen spare bulb 150W	Y-096.15.102
Wall support for HK 7000 (adaptor for universal fiber optic lamp HKL included)	Y-096.15.105

Standard Fiber Optic (F.O.) Cable for HEINE Fiber Optic Projectors



For F.O. Projector HK 4000, HK 7000 and XENON 1000.
Length incl. handle: 180 cm.

- **4 mm 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



Adaptor between Projectors and F.O. Cable

Short adaptors



Projector manufacturer	F.O. cable manufacturer	F.O.
HEINE	Storz	Y-096.12.104
HEINE	Richard Wolf	Y-096.12.105
HEINE	ACMI	Y-096.12.107
HEINE	Olympus	Y-096.12.108
Richard Wolf	HEINE	Y-096.12.120
Storz	HEINE	Y-096.12.102
Olympus	HEINE	Y-096.12.106
Fuji	HEINE	Y-096.12.118
Pentax	HEINE	Y-096.12.119

Adaptor between Instrument and F.O. Cable

Adaptor handles



Instrument manufacturer	F.O. cable manufacturer	F.O.
HEINE	Winter & Ibe Storz / Olympus*	Y-096.12.115
HEINE	Richard Wolf	Y-096.12.116
HEINE	ACMI / Olympus**	Y-096.12.117

Short adaptors



Instrument manufacturer	F.O. cable manufacturer	F.O.
HEINE	Winter & Ibe Storz / Olympus*	Y-096.12.109
HEINE	Richard Wolf	Y-096.12.111
HEINE	ACMI / Olympus**	Y-096.12.112
Winter&Ibe Storz / Olympus	HEINE	Y-096.12.113
Richard Wolf	HEINE	Y-096.12.114

*up to 12/2003 **from 01/2004

HEINE Combined Diagnostic Sets



Set complete: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoloscope**, 1 set of reusable specula, 10 disposable specula, straight laryngeal mirror and one spare bulb each in hard case with:

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-231.10.118		
BETA R rechargeable handle		A-231.20.376	A-231.27.376
BETA TR rechargeable handle and transformer		A-231.20.384	A-231.27.384
BETA NT rechargeable handle and NT 300 charger		A-231.20.420	
BETA L rechargeable handle and NT 300 charger			A-231.29.420



Set complete: **BETA200 Ophthalmoscope, BETA100 Diagnostic Otoloscope**, 1 set of reusable specula, 10 disposable specula, straight laryngeal mirror with accessories, spreadable nasal speculum and one spare bulb each in zipper case with:

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-232.10.118		
BETA R rechargeable handle		A-232.20.376	A-232.27.376
BETA TR rechargeable handle and transformer		A-232.20.384	A-232.27.384
BETA NT rechargeable handle and NT 300 charger		A-232.20.420	
BETA L rechargeable handle and NT 300 charger			A-232.29.420



As A-232 above, but with curved (instead of straight) laryngeal mirror with:

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-233.10.118		
BETA R rechargeable handle		A-233.20.376	A-233.27.376
BETA TR rechargeable handle and transformer		A-233.20.384	A-233.27.384
BETA NT rechargeable handle and NT 300 charger		A-233.20.420	
BETA L rechargeable handle and NT 300 charger			A-233.29.420

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



HEINE Combined Diagnostic Sets



Set complete: **BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope**, 1 set of reusable tips, straight laryngeal mirror, nasal illuminator with speculum, Finoff transilluminator and one spare bulb each in hard case with:

Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-157.10.118		
BETA R rechargeable handle		A-157.20.376	A-157.27.376
BETA TR rechargeable handle and transformer		A-157.20.384	A-157.27.384
BETA NT rechargeable handle and NT 300 charger		A-157.20.420	
BETA L rechargeable handle and NT 300 charger			A-157.29.420

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

HEINE mini3000® Combined Diagnostic Sets

All handles are fitted with batteries (IEC LR 6 AA size). Please order spare bulbs separately. The mini3000 instruments in these sets can be supplied in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



Set D-854 complete with **mini 3000 Ophthalmoscope, mini 3000 Otoscope, mini 3000 Combilamp**, mini 3000 Laryngeal mirror, 1 set = 4 reusable tips, in hard case:

mini 3000 Diagnostic Sets	2.5V
with mini 3000 battery handle with batteries	D-854.10.021
as D-854 but with nose speculum, 10 mm dia.	D-853.10.021



[01]



[02]



[03]



[04]



[05]

mini NT charger set* for mini 3000	2.5V
mini NT charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom caps for mini 3000 rechargeable handle [03]	X-001.99.485
Rechargeable battery NiMH 2Z [02]	X-001.99.487
mini NT adaptor set for mini 2000	2.5V
2 bottom caps for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

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

HEINE EN 100® Diagnostic Centre



[01]



[02]

An attractive modern design to keep your instruments in the right place, instantly ready for use.

With the optional Extension Unit as original equipment or for retro-fitting to the EN 100 you have a system which lets you use three different instruments simultaneously. The EN 100 can also be combined with the AllSpec Tip Dispenser and the GAMMA XXL LF-W Sphygmomanometer to provide a complete diagnostic centre to satisfy the most demanding user.

How to select your personal Diagnostic Centre:

Order the EN 100 Wall Transformer and Extension Unit or additional system components such as the AllSpec Tip-Dispenser or GAMMA XXL LF-W and your choice of 3.5V instruments individually from the HEINE range.

EN 100 Diagnostic Centre	3.5V
EN 100* (Basic Unit with two handles) [01]	X-095.12.110
EN 100-1 (Single Unit with one handle) [02]	X-095.12.109
Extension Unit* [03]	X-095.12.135
AllSpec Tip-dispenser [04]	B-000.11.148
GAMMA XXL LF-W Sphygmomanometer [05]	M-000.09.323

* without instruments



[01]

[03]

[04]

[05]

• Soft Start Technology

• Lockable handles

• Automatic on/off switching

• Optional Extension Unit

EN 100 Sets	3.5V
EN 100 Set with Wall Transformer EN 100, BETA 200 F.O. Otoscope , BETA 200 Ophthalmoscope , 1 set reusable tips and 1 spare bulb for each instrument	A-095.12.305
EN 100 Set with Wall Transformer EN 100, BETA 100 Diagnostic Otoscope , BETA 200 Ophthalmoscope , 1 set reusable specula and 1 spare bulb for each instrument	A-095.12.307
EN 100 Set with Wall Transformer EN 100, K 180 F.O. Otoscope , K 180 Ophthalmoscope , 1 set reusable tips, 50 disposable tips 4 mm dia., 50 disposable tips 2.5 mm dia. and 1 spare bulb for each instrument	A-095.12.393
EN 100 Set with Wall Transformer EN 100, K 100 Diagnostic Otoscope , K 180 Ophthalmoscope , 1 set 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



HEINE Cases



Soft pouch for otoscopes	A-180.01.000
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Soft pouch for otoscopes	B-237.00.000
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Case for Binocular Loupe-Sets A/C and HR-C	C-000.32.552
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Hard case for Ophthalmological Diagnostic Sets C-034 and C-076	C-034.00.000
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Hard case for Indirect Ophthalmoscope Sets C-162, C-275, C-276, C-278	C-079.00.000
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Combi-case for Indirect Ophthalmoscope Set C-162, C-275, C-276, C-278	C-079.03.000
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Hard case for Ophthalmological Diagnostic Sets C-261 and C-144	C-144.06.000
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Hard case for Ophthalmological Diagnostic Sets C-262 and C-145	C-145.00.000
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Case for Indirect Ophthalmoscope Set C-281	C-160.00.000
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Soft pouch for ophthalmoscopes	C-182.01.000
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Hard case for LAMBDA 100 Retinometer Set	C-187.06.000
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Soft pouch for mini	D-861.00.000
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Kombi-case for laryngoscopes	F-179.00.000
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Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230	F-227.01.000
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Further cases by request.

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HEINE

A company makes history and gives a name to outstanding product quality: HEINE.

Founded in 1946, family owned, rich in tradition and today international market leader in a complete range of diagnostic instruments. HEINE products meet all international standards (ISO/CE) and represent the leading edge in precision and ergonomic design. Ongoing dedication to research and development has created a solid and diverse technology base for continued quality and product leadership. Over 500 employees worldwide contribute to this success.

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