

HEINE MASTER CATALOGUE

2022



GENERAL MEDICINE AND ENT INSTRUMENTS

OPHTHALMIC INSTRUMENTS

LARYNGOSCOPES

DERMATOSCOPES

SPHYGMOMANOMETERS AND STETHOSCOPES

PROCTOLOGICAL INSTRUMENTS

EXAMINATION LIGHTS

LOUPES AND HEADLIGHTS

LIGHT AND POWER SOURCES

CASES



BETTER
illumination.
SUPERIOR
colour rendering.
GREATER
magnification.

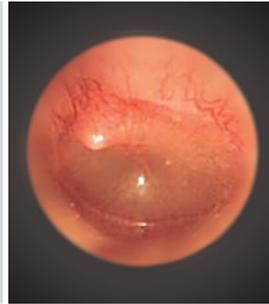
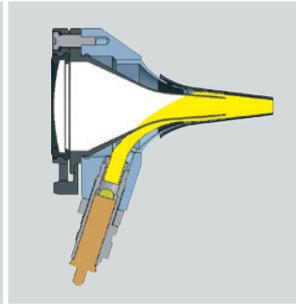


HEINE Otoscopes



	BETA 400 F.O.	BETA 200 F.O.	K180 F.O.	mini 3000 F.O.	mini 3000
Housing construction	Metal	Metal	Polycarbonate	Polycarbonate	Polycarbonate
Viewing window	Glass	Glass	Acrylic	Acrylic	Acrylic
Magnification	4.2x	3x	3x	3x	3x
Illumination	F.O. XHL or LED ^{HQ}	F.O. XHL or LED ^{HQ}	F.O. XHL	F.O. XHL or LED ^{HQ}	Direct XHL
					
Instrument size	Professional	Professional	Professional	Compact	Compact
Handle options / power sources	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 	<ul style="list-style-type: none"> • Battery handle • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 	<ul style="list-style-type: none"> • Battery handle • Rechargeable handle with table charger 	<ul style="list-style-type: none"> • Battery handle • Rechargeable handle with table charger
Tips / Specula	<ul style="list-style-type: none"> • Reusable tips • AllSpec disposable tips 	<ul style="list-style-type: none"> • Reusable tips • AllSpec disposable tips 	<ul style="list-style-type: none"> • Reusable tips • AllSpec disposable tips 	<ul style="list-style-type: none"> • Reusable tips • AllSpec disposable tips 	<ul style="list-style-type: none"> • Reusable tips • AllSpec disposable tips
Pneumatic testing of tympanum mobility	Insufflation port available	Insufflation port available	Insufflation port available	Insufflation port available, Insufflation port required	–
Catalogue page	007	009	011	012	016

High-quality Fiber Optics (F.O.) provide a homogeneous, reflex-free illumination.



HEINE BETA® 400 LED F.O. Otoscope

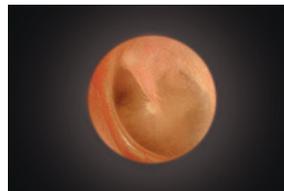
4.2x magnification with LED^{HQ} illumination

LED^{HQ}
 LED IN HEINE QUALITY.

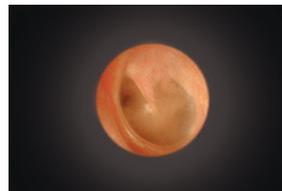


The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- ∴ **Exclusive 4.2x magnification.** More detail of anatomical structures and easy recognition of foreign bodies.
- ∴ **Exceptional depth of field.** Provides sharp spatial images in a convenient working range.
- ∴ **Large field of view.** Gives the necessary overview and perfect orientation during examinations.
- ∴ **Multi-coated precision optics.** Offer high resolution and distortion free images.
- ∴ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ∴ **One hand operation.** The unique patented design allows the permanently attached optical system to be flipped open and out of the way, enabling instrumentation and ease of cleaning.
- ∴ **Integrated insufflation port** offers tympanic mobility testing without air leakage. See order information accessories on page 015.
- ∴ **Full functionality of the BETA 400 LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**



BETA 400 LED F.O. Otoscope with 4.2x magnification



Conventional Otoscope

- ∴ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 400 LED F.O. Otoscope.



HEINE BETA 400 Diagnostic Sets/Kits

With XHL or LED^{HQ} illumination



Set includes: BETA 400 F.O. Otoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, spare bulb for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	B-143.10.118		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-143.27.388	B-143.28.388
BETA4 NT rechargeable handle with NT4 table charger		B-143.23.420	B-143.24.420



Without case

Kit includes: BETA 400 F.O. Otoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	LED
BETA battery handle	B-010.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-010.28.388
BETA4 NT rechargeable handle with NT4 table charger		B-010.24.420



Set includes: BETA 400 F.O. Otoscope and BETA 200 Ophthalmoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	A-153.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-153.27.388	A-153.28.388

Also available as a kit with EN 200 Wall Transformer (page 129)



Without case

Kit includes: BETA 400 F.O. Otoscope and BETA 200 Ophthalmoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, one spare bulb each for XHL version.

	3.5V XHL	LED
2x BETA4 NT rechargeable handle with NT4 table charger	A-153.23.422	A-153.24.422

∴ For further information on the HEINE BETA 200 Ophthalmoscope, please see page 037.



HEINE BETA® 200 LED F.O. Otoloscope

Sharpest images, perfect colour rendering and brightness in LED^{HQ}LED^{HQ}
LED IN HEINE QUALITY.

The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- ∴ **3x magnification.** The multi-coated glass viewing window offers high resolution and distortion-free images.
 - ∴ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
 - ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
 - ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
 - ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
 - ∴ **Viewing window is permanently attached**, and swivels for instrument use and complete cleaning of the instrument head.
 - ∴ **Integrated insufflation port** offers tympanic mobility testing without air leakage. See order information accessories on page 015.
 - ∴ **Full functionality of the BETA 200 LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**
- ∴ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 200 LED F.O. Otoloscope.

HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED^{HQ} illumination

Set includes: BETA 200 F.O. Otoloscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, spare bulb for XHL version, hard case.



	2.5V XHL	3.5V XHL	LED
BETA battery handle	B-141.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-141.27.388	B-141.28.388
BETA4 NT rechargeable handle with NT4 table charger		B-141.23.420	B-141.24.420

Kit includes: BETA 200 F.O. Otoloscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.



Without case

	2.5V XHL	LED
BETA battery handle	B-011.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-011.28.388
BETA4 NT rechargeable handle with NT4 table charger		B-011.24.420



HEINE BETA 200 Diagnostic Sets / Kits

With XHL or LED^{HQ} illumination



Set includes: BETA 200 F.O. Otoscope and BETA 200 Ophthalmoscope,
 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,
 one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	A-132.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-132.27.388	A-132.28.388

Also available as a kit with
EN 200 Wall Transformer (page 129)



Without case

Kit includes: BETA 200 F.O. Otolaryngoscope and BETA 200 Ophthalmoscope,
 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,
 one spare bulb each for XHL version.

	3.5V XHL	LED
2x BETA4 NT rechargeable handle with NT4 table charger	A-132.23.422	A-132.24.422

∴ For further information on the HEINE BETA 200 Ophthalmoscope, please see page 037.



HEINE K180 F.O. Otoscope

The standard, all around Fiber Optic Otoscope



Otoscope with Fiber Optic (F.O.) illumination constructed of light, high-impact polycarbonate.

- ∴ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
- ∴ **Polycarbonate construction.** Shock-resistant.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Acrylic viewing window with 3x magnification.** Sharply-focused distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility. See order information accessories on page 015.

HEINE K180 Diagnostic Sets/Kits



Set includes: K180 F.O. Otoscope,
1 set (4 pcs.) of reusable tips, soft pouch.

	2.5V XHL	3.5V XHL
BETA battery handle	B-181.10.118	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-181.27.388
BETA4 NT rechargeable handle with NT4 table charger		B-181.23.420



Without case

K180 F.O. Otoscope with	2.5V XHL	3.5V XHL
BETA battery handle	B-012.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		B-012.27.388

Also available as a kit with EN 200 Wall Transformer (page 129)

Set includes: K180 F.O. Otoscope and K180 Ophthalmoscope,
1 set (4 pcs.) of reusable tips, hard case.



	2.5V XHL	3.5V XHL
BETA battery handle	A-279.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-279.27.388
BETA4 NT rechargeable handle with NT4 table charger		A-279.23.420

∴ For further information on the HEINE K180 Ophthalmoscope, please see page 040.



HEINE mini 3000® F.O. Otoscope

Compact pocket otoscope with XHL or LED^{HQ} illumination



Modern pocket otoscope with bright illumination and accurate colour rendering. Unique design, compact and powerful. Can only be used with the mini 3000 handle system. Available in black or blue.



Features for both instruments (XHL and LED):

- ∴ **20,000 ON/OFF** switch cycles guaranteed.
- ∴ **Distal Fiber Optic (F.O.) illumination:** Reflex-free illumination of tympanum and ear canal.
- ∴ **Viewing window with 3x magnification and** optimized casing surface for razor-sharp images and minimal reflection. Swivelling viewing window built into instrument.
- ∴ **Pneumatic testing** of tympanum mobility by using the insufflation port and an optional connector. See order information accessories on page 015.
- ∴ **Attachment clip with integrated on/off switch.** Switches off automatically when returned to the pocket.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.*
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Award-winning design.** Maximum quality with minimum dimensions.

Special features of the LED instruments:

- ∴ **Maintenance-free,** no need to ever exchange the LED.
- ∴ LED thermal management for a **consistent light output throughout the whole working life.**
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Twice as bright as** Xenon Halogen instruments.
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- ∴ **Operating time typ. 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 132.



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 F.O. Diagnostic Sets/Kits



[01]

Set/Kit includes: mini 3000 F.O. Otoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.
 Optionally with or without hard case.

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries, hard case [01]	D-851.10.021	D-885.20.021
mini 3000 battery handle with batteries, without case	D-001.70.120	D-008.70.120



[02]

Without case

Kit includes: mini 3000 F.O. Otoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.



	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries [02]	D-001.70.110	D-008.70.110
mini 3000 rechargeable handle (please order mini NT table charger separately)	D-001.70.301	D-008.70.301



Set includes: mini 3000 F.O. Ophthalmoscope and mini 3000 F.O. Otoscope,

1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, hard case.

	2.5V XHL	2.5V LED
2 mini 3000 battery handles with batteries	D-873.11.021	D-886.11.021



Without case

Kit includes: mini 3000 F.O. Ophthalmoscope and mini 3000 F.O. Otoscope,

5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
2 mini 3000 rechargeable handles and mini NT table charger	D-859.11.022*	D-860.11.022*

*with this Art. No. only available in black

∴ For further information on the HEINE mini 3000 Ophthalmoscope, please see page 042.



HEINE AllSpec® Disposable Tips



2.5 mm dia. 4 mm dia.



[01]



[02]



[03]

- ∴ For the most secure fit, best light transmission and hygiene, we recommend the use of HEINE Otoscope Tips.
- ∴ Assured quality. No sharp edges.

AllSpec Disposable tips (grey)

for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes

Pack of 1000 pcs. 2.5 mm dia. (infants) [01]	B-000.11.128
Pack of 1000 pcs. 4 mm dia. (adults) [01]	B-000.11.127
Case of 10 packs of 1000 pcs, Ø 2,5 mm (infants)	B-000.11.138
Case of 10 packs of 1000 pcs, Ø 4 mm (adults)	B-000.11.137
Dispenser pack, single, of 250 tips, 2.5 mm dia (infants) [02]	B-000.11.153
Dispenser pack, single, of 250 tips, 4 mm dia (adults) [02]	B-000.11.152
Case of 10 dispenser packs of 250 tips, 2.5 mm dia (infants)	B-000.11.151
Case of 10 dispenser packs of 250 tips, 4 mm dia (adults)	B-000.11.150

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

AllSpec Tip dispenser (2 x 45 tips) [03]	B-000.11.149
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⊗: Single use only.

Reusable Tips



2.4 mm dia. 3 mm dia. 4 mm dia. 5 mm dia.

- ∴ For the most secure fit, best light transmission and hygiene, we recommend the use of HEINE Otoscope Tips.
- ∴ Made of high-density SANALONS plastic with smooth external finish. Easy to clean. Common germicides can be used. Autoclavable at up to 134 °C.
- ∴ Ergonomic shape. Painless atraumatic insertion.

Reusable tips (black)

for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes

	1 piece	50 pieces
Reusable tip 2.4 mm dia.	B-000.11.107	B-000.11.207
Reusable tip 3.0 mm dia.	B-000.11.108	B-000.11.208
Reusable tip 4.0 mm dia.	B-000.11.109	B-000.11.209
Reusable tip 5.0 mm dia.	B-000.11.110	B-000.11.210

1 set = 4 pcs. reusable tips SANALONS 2.4/3/4/5 mm dia.	B-000.11.111
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Soft Disposable Tips



3 mm dia. 5 mm dia.

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

Soft disposable tips (black)

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

⊗: Single use only.

Further articles / Accessories

HEINE F.O. Otoscopes



BETA 400 F.O. Otoscope Head	2.5V XHL	3.5V XHL	LED
with 4 reusable tips, without handle	B-001.11.401	B-002.11.401	B-008.11.401
without handle and without accessories	B-001.11.400	B-002.11.400	B-008.11.400



BETA 200 F.O. Otoscope Head	2.5V XHL	3.5V XHL	LED
with 4 reusable tips, without handle	B-001.11.501	B-002.11.501	B-008.11.501
without handle and without accessories	B-001.11.500	B-002.11.500	B-008.11.500



K180 F.O. Otoscope Head	2.5V XHL	3.5V XHL
with 4 reusable tips, without handle	B-001.11.551	B-002.11.551
without handle and without accessories	B-001.11.550	B-002.11.550



mini 3000 F.O. Otoscope Head	2.5V XHL	2.5V LED
without handle and without accessories *	D-001.70.106	D-008.70.106

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



Spare bulb for BETA 400, BETA 200 and K180	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

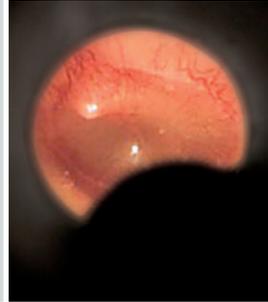
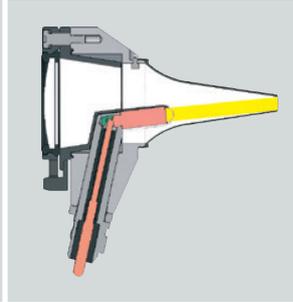


Spare bulb for mini 3000 F.O.	2.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.105



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

Bright XHL Xenon Halogen
direct illumination.



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. Available in black or blue.

- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **Enhanced XHL Xenon Halogen Technology with 100% more light compared with conventional bulbs.** Very bright, concentrated white light for perfect illumination.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini 3000 instrument heads.
- ∴ **Viewing window with 3x magnification** and optimised casing surface for razor-sharp images and minimal reflection.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **High-quality handle: Chrome-finished upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20,000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger*.



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 132.

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/Kits



[01]

Set/Kit includes: mini 3000 Otoscope,

1 set (4 pcs.) reusable tips, 5 each of 2.5 and 4 mm dia. AllSpec disposable tips.

	2.5V XHL
mini 3000 battery handle with batteries, hard case [01]	D-851.20.021



[02]



mini 3000 battery handle with batteries,
without case [02]

D-001.70.220

mini 3000 battery handle with batteries, without case, without reusable tips	D-001.70.210
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Without case

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

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

∴ For further information on the HEINE mini 3000 Ophthalmoscope, please see
page 042.



Further articles / Accessories

HEINE Otoscopes



mini 3000 Otoscope Head	2.5V XHL	
without handle and without accessories *	D-001.70.206	

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



Spare bulb for mini 3000	2.5V XHL	
XHL Xenon Halogen spare bulb	X-001.88.110	



Replacement aperture cover for BETA 100* and K100*		
Aperture cover for bulb, reduces reflexes	B-000.11.212	



Spare bulb for BETA 100* and K100*	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049



Tip Adaptor for BETA 100* and K100*		
Adaptor for AllSpec disposable tips (p. 014) for use with diagnostic otoscope (BETA 100, K100)	B-000.11.306	



Insufflation bulb for BETA 100* and K100*		
Insufflation bulb for pneumatic testing	B-000.11.240	



Ø 2,2mm Ø 2,8mm Ø 3,5mm



Ø 4,5mm Ø 5,5mm Ø 10mm

Reusable Specula (black) for BETA 100* and K100*		
1 set = 5 ear specula and 1 nose speculum	B-000.11.221	
3 specula 3.5/4.5/5.5mm dia.	B-000.11.222	
Ear speculum 2.2mm dia.	B-000.11.215	
Ear speculum 2.8mm dia.	B-000.11.216	
Ear speculum 3.5mm dia.	B-000.11.217	
Ear speculum 4.5mm dia.	B-000.11.218	
Ear speculum 5.5mm dia.	B-000.11.219	
Nose speculum 10mm dia.	B-000.11.220	



Ø 2,5mm Ø 4mm

UniSpec Disposable Specula (grey) for BETA 100* and K100*		
Pack of 1000, 2.5 mm dia. (infants) 1000 pcs./1 pack	B-000.11.242	
Pack of 1000, 4 mm dia. (adults) 1000 pcs./1 pack	B-000.11.241	
UniSpec tip dispenser	B-000.11.146	

⊗: Single use only.

* instrument no longer available

Tongue-Blade Holder

For wooden tongue-blades



Without case

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

Tongue-Blade Holder with	2.5V XHL	3.5V XHL
BETA battery handle	B-015.10.118	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		B-015.27.388
BETA4 NT rechargeable handle (without NT4 table charger)		B-015.23.396

Tongue-Blade Holder

With blade ejector for use with HEINE disposable tongue-blades



Without case

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

Tongue-Blade Holder with	2.5V XHL	3.5V XHL
BETA battery handle	B-016.10.118	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		B-016.27.388
BETA4 NT rechargeable handle (without NT4 table charger)		B-016.23.396

HEINE mini 3000® Tongue-Blade Holder

With blade ejector for HEINE disposable tongue-blades



Without case

- ∴ **Finger-tip pressure releases the used blade.** No need to touch the blade after use.
- ∴ **XHL Xenon Halogen technology.** Concentrated illumination of oral cavity and pharynx.
- ∴ **Only for HEINE disposable tongue-blades.** Strong and hygienic.

mini 3000 Tongue-Blade Holder with	2.5V XHL
★ mini 3000 battery handle* and 5 disposable blades, with batteries	D-001.74.118

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



Further articles / Accessories

HEINE Tongue-Blade Holder



Tongue-Blade Holder Head for wooden tongue-blades	2.5V XHL	3.5V XHL
without handle and without accessories	B-001.12.302	B-002.12.302



Tongue-Blade Holder Head for disposable tongue-blades	2.5V XHL	3.5V XHL
without handle and without accessories	B-001.12.305	B-002.12.305



mini 3000 Tongue-Blade Holder Head	2.5V XHL	
without handle and without accessories		D-001.74.100



Spare bulb for Tongue-Blade Holder	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049



Replacement light-guide for Tongue-Blade Holder		
Light-guide for bulb		B-000.12.308



Spare bulb for mini 3000 Tongue-Blade Holder	2.5V XHL	
XHL Xenon Halogen spare bulb	X-001.88.037	



Disposable plastic tongue-blades		
Pack of 100 disposable plastic tongue-blades		B-000.12.304

HEINE mini-c hand-held examination light / mini-e ear light

Now with unique LED^{HQ}



[01]

[02]

Without case

Robust, durable examination light in a compact pocket size.
Bright, concentrated light – now with unique LED^{HQ}.

- ⌘ **Safe examination of the eyes** due to tested photobiological safety.
- ⌘ **Comfortable and ergonomic.**
- ⌘ **Natural colours and virtually unlimited operating life of the LED^{HQ}.**
- ⌘ **Switches off automatically when placed in the pocket.**
- ⌘ **20,000 on/off cycles guaranteed.**
- ⌘ **Replaceable batteries** (size: AAA).

	LED
mini-c hand-held examination light incl. batteries [01]	D-008.73.109
mini-e ear light incl. batteries [02] for otoplasty. The ear light is used to ensure that hearing aids fit correctly.	D-008.73.103

HEINE mini 3000[®] Clip Lamp

Compact, long-life pocket diagnostic light



[01]

[02]

Without case

Sturdy, long-life pocket diagnostic light in a compact, modern design with chrome head. Bright, concentrated light thanks to unique XHL Xenon Halogen lens-bulb. 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.
- ⌘ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini 3000 instrument heads.
- ⌘ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared to conventional bulbs.** Bright, focused light.
- ⌘ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ⌘ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20,000 switch cycles guaranteed.
- ⌘ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger*.
- ⌘ **Ear light for otoplasty [02].** The ear light is used to ensure that hearing aids fit correctly. See order information accessories on page 023.

mini 3000 Clip Lamp with	2.5V XHL
mini 3000 battery handle with batteries [01]	D-001.73.131



HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. HEINE mini 3000 Clip Lamp attachments are only available with a chrome head. 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® Combi Lamp

Compact, all purpose illuminator with integrated tongue-blade holder



Without case

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

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

- ∴ **Many applications.** Can be used as a general illuminator and as an illuminated tongue-blade holder for wooden blades and HEINE disposable blades.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini 3000 instrument heads.
- ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared with conventional bulbs.** Bright, focused light.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20,000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger*.

mini 3000 Combi Lamp with	2.5V XHL
mini 3000 battery handle with batteries and 5 disposable blades	D-001.76.120



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 132.

Further articles / Accessories

HEINE pocket diagnostic lights



mini 3000 Clip Lamp head	2.5V XHL
without handle and without accessories	D-001.73.130



mini 3000 Combi Lamp head	2.5V XHL
without handle and without accessories*	D-001.76.101

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



Spare bulb for mini 3000 Clip Lamp and Combi Lamp	2.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.107



Ear light for mini 3000 Clip Lamp	
Ear light, 6 pieces in blister pack	D-000.73.105



Disposable tongue-blades for mini 3000 Combi Lamp	
Pack of 100 disposable tongue-blades	B-000.12.304

HEINE Veterinary ENT diagnostic instruments



	G100 Slit Illumination Head	BETA 200 VET F.O. Otoscope
Housing construction	Metal	Metal
Magnification	1.6x	2.5x
Illumination	F.O. XHL or LED ^{HQ}	F.O. XHL or LED ^{HQ}
Instrument size	Professional	Professional
Handle options / power sources	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1
Tips / Specula	<ul style="list-style-type: none"> • Long, closed specula • Slit metal specula, open • Spreadable speculum • Short, closed specula • UniSpec VET disposable tips with adaptor 	<ul style="list-style-type: none"> • VET reusable specula
Pneumatic testing of tympanum mobility	–	Insufflation port available
Catalogue page	025	027

HEINE G100 LED Slit Illumination Head

With LED illumination in HEINE Quality – LED^{HQ}



Instrument head with solid metal construction and scratch-resistant swivel lens guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs.

- ∴ **Slit Illumination Head.** Allows optimal instrumentation with magnification and illumination. Clears the way for access during examinations.
- ∴ **Multi-coated, scratch-resistant swivel lens with 1.6x magnification** provides a high-resolution image.
- ∴ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright homogeneous light during examinations.
- ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ∴ **Easy cleaning.** Round edges allow easy disinfection, also with standard disinfectants.
- ∴ **Double bayonet lock for specula.** Specula mounted firmly by double lock.
- ∴ **Full functionality of the G100 LED Slit Illumination Head is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**

- ∴ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see G100 LED Slit Illumination Head.

HEINE G100 Diagnostic Kit



[01]

Without case

G100 Slit illumination head with	LED
BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]	G-010.28.388
BETA4 NT rechargeable handle with NT4 table charger	G-010.24.420



HEINE Veterinary Diagnostic Sets

With XHL or LED^{HQ} illumination



Set includes: G100 Slit illumination head,

1 set long, closed specula (57mm x 4mm dia., 65mm x 6mm dia., 90mm x 7mm dia.),
1 spare bulb for XHL version, hard case.



	2.5V XHL	3.5V XHL	LED
BETA battery handle	G-112.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		G-112.27.388	G-112.28.388
BETA4 NT rechargeable handle with NT4 table charger		G-112.23.420	G-112.24.420



Set includes: G100 Slit illumination head, Ophthalmoscope BETA 200,

1 set long, closed specula (57mm x 4mm dia., 65mm x 6mm dia., 90mm x 7mm dia.),
1 spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	G-148.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		G-148.27.388	G-148.28.388
BETA4 NT rechargeable handle with NT4 table charger		G-148.23.420	G-148.24.420

∴ For further information on the HEINE BETA 200 Ophthalmoscope, please see page 037.

HEINE BETA® 200 LED VET F.O. Otoscope

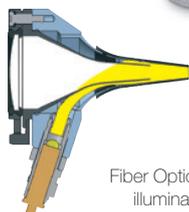
Veterinary Otoscope with LED^{HQ} illumination

LED^{HQ}
 LED IN HEINE QUALITY.



The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- ✦ **Large, scratch-resistant glass viewing window with 2.5x magnification.** Specially developed lens for veterinary medicine. Focal length is designed specifically for use with longer specula.
- ✦ **Fiber Optic Illumination.** Ensures homogeneous, very bright illumination and an unobstructed view of the ear canal and tympanum.
- ✦ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ✦ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright homogeneous light during examinations.
- ✦ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ✦ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ✦ **Insufflation port.** Reliable test of tympanic mobility.
- ✦ **For use with reusable VET Specula.** See order information accessories on pages 029–031.
- ✦ **Full functionality of the BETA 200 LED VET is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**



Fiber Optic (F.O.) illumination

✦ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 200 LED VET F.O. Otoscope.

HEINE BETA 200 VET Diagnostic Kit

With XHL or LED^{HQ} illumination



Without case

[01]



BETA 200 VET F.O. Otoscope with	2.5V XHL	3.5V XHL	LED
BETA battery handle	G-011.10.118		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]		G-011.27.388	G-011.28.388
BETA4 NT rechargeable handle with NT4 table charger		G-011.23.420	G-011.24.420

Long, closed metal specula



57 mm 65 mm 90 mm 170 mm
4 mm dia. 6 mm dia. 7 mm dia. 10 mm dia.

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

Closed specula for G100/G100 LED 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
170 mm long / 10 mm dia.	G-000.21.350

Slit metal specula, open



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

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

Slit metal specula for G100/G100 LED Slit Illumination Head

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

Spreadable speculum for Slit Illumination Head



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

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

Spreadable speculum for G100/G100 LED Slit Illumination Head

Spreadable speculum for Slit Illumination Head (95 mm long)	G-000.21.360
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Short, closed specula



5.5mm dia. 4.5mm dia.



3.5mm dia. 2.8mm dia. 2.2mm dia.

- **Made of high-density SANALON S with a smooth external surface.** Dust and germs are easily removed. Common germicides can be used. Autoclavable at up to 134 °C.
- **Ergonomic shape.** Painless atraumatic insertion.
- **Integral metal ring with 2 bayonet locks.** Firm mounting of specula to head.

Short, closed SANALON S specula for G100/G100 LED Slit Illumination Head and BETA 100 VET* Otoscope

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

HEINE Reusable VET specula



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



[01]

A VET adaptor [01] is required for use on the BETA 100 VET*.

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

Reusable SANALON S specula for BETA 200 VET and BETA 100 VET* with adaptor

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

Adaptor for reusable SANALON S VET specula [01]	G-000.21.214
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* instrument no longer available



HEINE UniSpec® Disposable Specula



2.5mm dia. 4mm dia.

The adaptor illustrated [01] is necessary when using UniSpec specula with the G100/G100 LED Slit Illumination Head.

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



[02]

UniSpec disposable specula (grey) for BETA 100 VET*, Operating Otoscope* and G100/G100 LED Slit Illumination Head

Pack of 1000 UniSpec disposable specula 2.5mm dia.	B-000.11.242
Pack of 1000 UniSpec disposable specula 4mm dia.	B-000.11.241

Adaptor for use with Slit Illumination Head [01]	G-000.21.302
UniSpec tip dispenser	B-000.11.146

⊗: Single use only.

Further articles / Accessories

HEINE veterinary ENT diagnostic instruments



2.2mm dia. 2.8mm dia. 3.5mm dia.
4.5mm dia. 5.5mm dia. 10mm dia.

Reusable Specula (black) for 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



2.5mm dia. 4mm dia.

AllSpec Disposable tips (grey) for BETA 100 VET* and Operating Otoscope*

Pack of 1000 pcs. 2.5mm dia. [01]	B-000.11.128
Pack of 1000 pcs. 4mm dia. [01]	B-000.11.127
Case of 10 packs of 1000 pcs, Ø 2,5 mm (infants)	B-000.11.138
Case of 10 packs of 1000 pcs, Ø 4 mm (adults)	B-000.11.137



[01]

[02]

Dispenser pack, single, of 250 tips, 2.5mm dia [02]	B-000.11.153
Dispenser pack, single, of 250 tips, 4mm dia [02]	B-000.11.152
Case of 10 dispenser packs of 250 tips, 2.5mm dia	B-000.11.151
Case of 10 dispenser packs of 250 tips, 4mm dia	B-000.11.150

Adaptor for AllSpec tips [03]	B-000.11.306
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[03]

[04]

AllSpec Tip-dispenser (2x 45 tips) [04]	B-000.11.149
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⊗: Single use only.

* instrument no longer available

Further articles / Accessories

HEINE veterinary ENT diagnostic instruments



G100 Slit Illumination Head	2.5V XHL	3.5V XHL	LED
with swivel lens, without handle	G-001.21.301	G-002.21.301	G-008.21.301



BETA 200 VET F.O. Oscope head	2.5V XHL	3.5V XHL	LED
without handle and without accessories	G-001.21.250	G-002.21.250	G-008.21.250



Spare bulb for G100 and BETA 200 VET	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078



Spare bulb for Operating Oscope* and BETA 100 VET*	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.037	X-002.88.049



Swivel lens for G100 Slit Illumination Head	
Swivel lens, single	G-000.21.209



Insufflation bulb for pneumatic testing	
Insufflation bulb for BETA 200 VET and BETA 100 VET* Oscopes	B-000.11.240

* instrument no longer available



HELPING the human EYE.

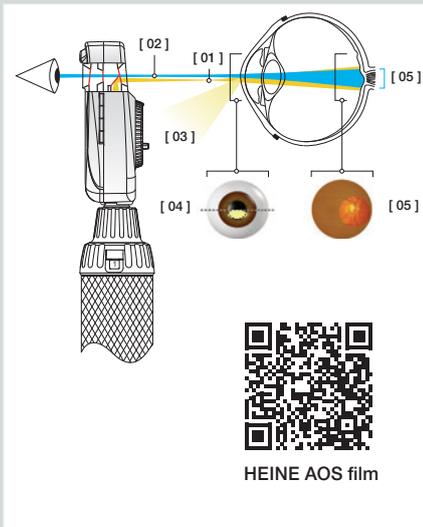




HEINE Direct Ophthalmoscopes



	BETA 200S	BETA 200	BETA 200 M2	K180 Opt. 1	K180 Opt. 2	mini 3000
Optical System	Aspherical	Aspherical		Conventional		Conventional
Illumination	XHL or LED ^{HQ}	XHL or LED ^{HQ}	XHL	XHL		XHL or LED ^{HQ}
Apertures						
Corrective lenses	- 36 to +38D, 74 single diopter steps, 28 Lenses	- 35 to +40D, 27 diopter steps, 27 Lenses		- 35 to +40D, 27 diopter steps, 27 Lenses		- 20 to +20D, 18 diopter steps, 18 Lenses
Dust protection	Dustproof	Dustproof		Dust protected		Dust protected
Frame system made of	Aluminium	Aluminium		Plastic		Plastic
Instrument size	Professional	Professional		Professional		Compact
Handle options / power sources	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 	<ul style="list-style-type: none"> • Battery handle (XHL only) • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 		<ul style="list-style-type: none"> • Battery handle • USB rechargeable handle • Rechargeable handle with table charger • EN 200 / EN 200-1 		<ul style="list-style-type: none"> • Battery handle • Rechargeable handle with table charger
Catalogue page	035	037		040		042



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

HEINE BETA® 200S LED Ophthalmoscope

Superior aspherical optics with LED^{HQ} illumination



Exclusive dustproof design protects the precision optical components and ensures maintenance-free operation. The BETA 200/200S Ophthalmoscopes are the only instruments with an aluminum frame system. Optical components are flush-mounted on a cast aluminum frame, eliminating misalignment and making the instrument shock-resistant. The BETA 200S LED has virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- ⚡ **Exclusive Aspherical Optical System (AOS).**
- ⚡ **There’s LED. And there’s LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That’s what we call LED in HEINE Quality – or LED^{HQ}.**
- ⚡ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- ⚡ **The BETA 200S Ophthalmoscope** accommodates higher refractive errors with a **28 single lenses Rekoss Disc** and features a 74 single step design on a non-continuous wheel avoiding extreme diopter jumps.
 - + in 1 D steps: +1 through +38D
 - in 1 D steps: -1 through -36D
- ⚡ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ⚡ **No stray light due to the recessed, multi-coated viewing window** – eliminates distractions.
- ⚡ **Precise one-hand control of the instrument.** Ergonomic design offers flexibility while examining.
- ⚡ **Suitable for large as well as small or undilated pupils.**
- ⚡ **Ergonomic design** fits the orbita comfortably, and blocks out ambient light.
- ⚡ **Full functionality of the BETA 200S LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**

BETA 200S with 7 apertures



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



With red-free filter

- ⚡ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 200S LED Ophthalmoscope.



HEINE BETA 200S Diagnostic Sets/Kits

With XHL or LED^{HQ} illumination



Set includes: BETA 200S Ophthalmoscope,
1 spare bulb for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-261.10.118		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-261.27.388	C-261.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-261.23.420	C-261.24.420



Without case

BETA 200S Ophthalmoscope with	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-010.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-010.27.388	C-010.28.388

Set includes: BETA 200S Ophthalmoscope, BETA 200 Streak Retinoscope,
1 spare bulb for XHL version, hard case.



	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-262.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-262.27.388	C-262.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-262.23.420	C-262.24.420

∴ For further information on the HEINE BETA 200 Retinoscope, please see page 045.



HEINE BETA® 200 LED Ophthalmoscope

Superior aspherical optics with LED^{HQ} illumination



The ophthalmoscope with unique aspherical optics and all features of the BETA 200S LED, but:



- Without macula aperture (pinhole)
- The BETA 200 Ophthalmoscope accommodates higher refractive errors with a 27 single lenses Rekoss Disc.

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

- Full functionality of the BETA 200 LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.

- Also available with XHL Xenon Halogen illumination. Bright illumination and authentic colour rendering; for other technical specifications see BETA 200 LED Ophthalmoscope.

BETA 200 with 6 apertures



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



With red-free filter

HEINE BETA 200 Ophthalmoscope Sets/Kits

With XHL or LED^{HQ} illumination



Set includes: BETA 200 Ophthalmoscope,
1 spare bulb for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-144.10.118*		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-144.27.388	C-144.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-144.23.420	C-144.24.420

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



Without case

BETA 200 Ophthalmoscope with	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-011.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-011.27.388	C-011.28.388



HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED^{HQ} illumination



Set includes: BETA 200 Ophthalmoscope, BETA 200 Streak Retinoscope, 1 spare bulb for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-145.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-145.27.388	C-145.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-145.23.420	C-145.24.420

∴ For further information on the HEINE BETA 200 Retinoscope, please see page 045.



Set includes: BETA 200 Ophthalmoscope, BETA 400 F.O. Otoscope, 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	A-153.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-153.27.388	A-153.28.388

Also available as a kit with EN 200 Wall Transformer (page 129)



Without case

Kit includes: BETA 200 Ophthalmoscope, BETA 400 F.O. Otoscope, 1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø, one spare bulb each for XHL version.

	3.5V XHL	LED
2x BETA4 NT rechargeable handle with NT4 table charger	A-153.23.422	A-153.24.422

∴ For further information on the HEINE BETA 400 F.O. Otoscope, please see page 007.



HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED^{HO} illumination



Set includes: BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope,
1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,
one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	A-132.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-132.27.388	A-132.28.388



Without case

Also available as a kit with
EN 200 Wall Transformer (page 129)

Kit includes: BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope,
1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø,
one spare bulb each for XHL version, hard case.

	3.5V XHL	LED
2x BETA4 NT rechargeable handle with NT4 table charger	A-132.23.422	A-132.24.422

∴ For further information on the HEINE BETA 200 F.O. Otoscope, please see page 009.



HEINE K180 Ophthalmoscope

Standard direct ophthalmoscope



A full-featured instrument at an economical price.

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

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

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

K180 apertures



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



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

HEINE K180 Ophthalmoscope Sets

Set includes: K180 Ophthalmoscope with aperture wheel 1, soft pouch.



	2.5V XHL	3.5V XHL
BETA battery handle	C-182.10.118	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-182.27.388
BETA4 NT rechargeable handle with NT4 table charger		C-182.23.420

Set includes: K180 Ophthalmoscope with aperture wheel 2, soft pouch.



	2.5V XHL	3.5V XHL
BETA battery handle	C-183.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-183.27.388
BETA4 NT rechargeable handle with NT4 table charger		C-183.23.420



HEINE K180 Diagnostic Sets



Set includes: K180 Ophthalmoscope in standard version with aperture wheel 1, **K180 F.O. Otoscope**, 1 set (4 pcs.) of reusable tips, hard case.

	2.5V XHL	3.5V XHL
BETA battery handle	A-279.10.118	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		A-279.27.388
BETA4 NT rechargeable handle with NT4 table charger		A-279.23.420

∴ For further information on the HEINE K180 F.O. Otoscope, please see page 011.

HEINE mini 3000® Ophthalmoscope

Compact pocket ophthalmoscope with XHL or LED^{HQ} illumination


LED IN HEINE QUALITY.



mini 3000 apertures



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

Modern pocket ophthalmoscope with concentrated bright light for perfect illumination, a brilliant image and accurate colour rendering. Fixation star aperture with grey filter for reducing the light intensity. Excellent optics and best colour rendering in minimum dimensions, ideal for rounds and house calls. Can be used with the mini 3000 handle system. Available in black and blue.

Features for both instruments (XHL and LED):

- ∴ HEINE optics produce crisp, clear images of the whole area under examination and minimise reflections.
- ∴ **5 different apertures.** A full-function instrument incl. fixation star.
- ∴ Grey filter for light-sensitive patients.
- ∴ **Range of lenses: 18 lenses from -20 D to +20 D.**

+	1	2	3	4	6	8	10	15	20D
-	1	2	3	4	6	8	10	15	20D
- ∴ **Easy workflow,** because ophthalmoscopy is possible without dilation of the pupils.
- ∴ **Attachment clip with integrated on/off switch.** Switches off automatically when returned to the pocket.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.*
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Award-winning design.** Maximum quality with minimum dimensions.

Special features of the LED instruments:

- ∴ **Maintenance-free,** no need to ever replace the LED.
- ∴ LED Thermal management for a **consistent light output throughout the whole working life.**
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- ∴ **Operation time typ. 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 132.



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/Kits



Set includes: mini 3000 Ophthalmoscope, hard case.

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries	D-852.10.021	D-885.21.021



Without case

mini 3000 Ophthalmoscope with	2.5V XHL	2.5V LED
★ mini 3000 battery handle with batteries	D-001.71.120	D-008.71.120
mini 3000 rechargeable handle (please order mini NT table charger separately)	D-001.71.200	D-008.71.200



[01]

Set/Kit includes: mini 3000 Ophthalmoscope, mini 3000 F.O. Otoscope,
1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

	2.5V XHL	2.5V LED
2 mini 3000 battery handles with batteries with hard case [01]	D-873.11.021	D-886.11.021
2 mini 3000 rechargeable handles and mini NT table charger, without case [02]	D-859.11.022*	D-860.11.022*

* with this Art. No. only available in black



[02]

Without case

∴ For further information on the HEINE mini 3000 F.O. Otoscope, please see page 012.



[03]

Set includes: mini 3000 Ophthalmoscope, mini 3000 Otoscope,
1 set (4 pcs.) of reusable tips, 5 of both AllSpec disposable tips 2.5 and 4 mm Ø.

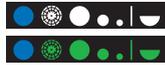
	2.5V XHL
2 mini 3000 battery handles with batteries with hard case [03]	D-873.21.021

∴ For further information on the HEINE mini 3000 Otoscope, please see page 016.

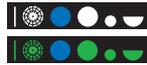


Further articles / Accessories

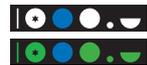
HEINE Ophthalmoscopes



BETA 200S Ophthalmoscope Head	2.5V XHL	3.5V XHL	LED
without handle and without accessories	C-001.30.120	C-002.30.120	C-008.30.120



BETA 200 Ophthalmoscope Head	2.5V XHL	3.5V XHL	LED
without handle and without accessories	C-001.30.100	C-002.30.100	C-008.30.100



BETA 200 M2 Ophthalmoscope Head	2.5V XHL	3.5V XHL
without handle and without accessories Like BETA 200, except with pinhole instead of small spot and with fixation star aperture without polar coordinates	C-001.30.102	C-002.30.102



K180 Ophthalmoscope Head	2.5V XHL	3.5V XHL
with aperture wheel 1, without handle and without accessories	C-001.30.206	C-002.30.206
with aperture wheel 2, without handle and without accessories	C-001.30.207	C-002.30.207



mini 3000 Ophthalmoscope Head	2.5V XHL	2.5V LED
without handle and without accessories *	D-001.71.105	D-008.71.105

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



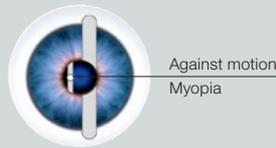
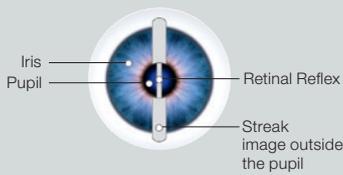
Spare bulb for BETA 200S, BETA 200 and BETA 200 M2	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070



Spare bulb for K180	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.084	X-002.88.086



Spare bulb for mini 3000	2.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.106



Hand-held retinoscopes for objective refraction.

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

Two versions are available:

The Spot Retinoscope with a round light spot (available only as XHL variant) and the more widely-used Streak Retinoscope with a streak image which simplifies the examination.

*HEINE ParaStop

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

HEINE BETA® 200 LED Retinoscope with HEINE ParaStop®

With LED illumination in HEINE Quality – LED^{HQ}



Homogenous LED illumination for precise streak image quality offers an easy and quick observation of the fundus reflex.



- ∴ ParaStop. Precise, easy selection of a parallel beam* (see above).
 - ∴ **Brilliant, precise streak image** with a line width of typically 1.1 mm (ISO 12865 Standard < 1.5 mm) and a line length of 35 mm for a very bright, readily visible fundus reflex.
 - ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
 - ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
 - ∴ **Ergonomic shape.** Protects the examiner's orbita from stray light.
 - ∴ **Metal controls.** Long-lasting.
 - ∴ **Single control for vergence and rotation.** Comfortable operation.
 - ∴ **Maintenance-free.** Dustproof. LED with virtually unlimited hours of working life.
 - ∴ **Integrated polarisation filter.** Eliminates stray light and internal reflexes for a brighter fundus reflex.
 - ∴ **Detachable brow rest.** Increased comfort and control during examination.
 - ∴ **Holder for fixation cards (optional).** For dynamic retinoscopy.
 - ∴ **Full functionality of the BETA 200 LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers.**
- ∴ **Also available with XHL Xenon Halogen illumination.** Bright illumination and authentic colour rendering; for other technical specifications see BETA 200 LED Retinoscope.



HEINE BETA 200 Diagnostic Sets/Kits



Set includes: BETA 200 Streak Retinoscope,
1 spare bulb for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-034.10.118*		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-034.27.388	C-034.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-034.23.420	C-034.24.420

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



Without case

BETA 200 Streak Retinoscope with	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-014.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-014.27.388	C-014.28.388



Set includes: BETA 200 Streak Retinoscope, BETA 200S Ophthalmoscope,
1 spare bulb for each instrument for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-262.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-262.27.388	C-262.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-262.23.420	C-262.24.420

∴ For further information on the HEINE BETA 200S Ophthalmoscope, please see page 035.



Set includes: BETA 200 Streak Retinoscope, BETA 200 Ophthalmoscope,
1 spare bulb for each instrument for XHL version, hard case.

	2.5V XHL	3.5V XHL	LED
BETA battery handle	C-145.10.118		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		C-145.27.388	C-145.28.388
BETA4 NT rechargeable handle with NT4 table charger		C-145.23.420	C-145.24.420

∴ For further information on the HEINE BETA 200 Ophthalmoscope, please see page 037.

HEINE HSL 150 Hand-held Slit Lamp

For the examination of the anterior segment



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

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

HEINE HSL 150 Hand-held Slit Lamp Sets



Set includes: HSL 150 Hand-held Slit Lamp, soft pouch.



	2.5V XHL
BETA SLIM battery handle	C-252.10.105



Set includes: HSL 150 Hand-held Slit Lamp, spare bulb, hard case.

	3.5V XHL
BETA4 SLIM NT rechargeable handle and NT4 table charger*	C-266.20.471

*NT4 table charger incl. reducer insert



HEINE LAMBDA 100 Retinometer

For assessing potential visual acuity



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

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

Three simple steps for assessing potential visual acuity with LAMBDA 100

1. Switch on instrument, select acuity, adjust pattern of lines, 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 recognise the pattern of lines.
3. Select progressively finer lines with different angles until the patient can no longer recognise the angle. The value of the last recognisable angle indicates potential acuity.



0°
Visus = 0,5 $\left(\frac{20}{40}\right)$



45°
Visus = 0,32 $\left(\frac{20}{60}\right)$



90°
Visus = 0,06 $\left(\frac{20}{300}\right)$

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

* Validated by the study "Accuracy of the HEINE LAMBDA 100 Retinometer" in Investigative Ophthalmology & Visual Science, May 2008, Vol. 49, Southern College of Optometry, Memphis, Tennessee and the study "Reliability of predictable postoperative visual acuity of cataracts as measured by HEINE LAMBDA 100 retinometer preoperatively" by the Departamento de Oftalmologia, May – June 2010, São Paulo, Brasil.

HEINE LAMBDA 100 Retinometer Kits



Without case

Kit includes: LAMBDA 100 Retinometer,

1 Patient card, BETA4 USB rechargeable handle with USB cord and plug-in power supply, spare bulb.

	3.5V XHL
★ Kit 1: acuity scale 20/300 to 20/25 (scale 2)	C-037.27.388
Kit 2: decimal scale 0.06 to 0.8 (scale 1)	C-038.27.388

HEINE Ophthalmic Examination Lamp

For examination of the anterior segment and cornea in focal light



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

Aperture combination



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

HEINE Ophthalmic Examination Lamp Kits



Without case

[01]

Ophthalmic Examination Lamp with	2.5V XHL	3.5V XHL
BETA battery handle	C-018.10.118	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]		C-018.27.388
BETA4 NT rechargeable handle (without NT4 table charger)		C-018.23.396

HEINE Finoff Transilluminator

For scleral transillumination

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



[01]

Without case

Finoff Transilluminator with	3.5V XHL
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]	C-019.27.388
BETA4 NT rechargeable handle (without NT4 table charger)	C-019.23.396

Further articles / Accessories

HEINE ophthalmic instruments



BETA 200 Retinoscope Head	2.5V XHL	3.5V XHL	LED
without handle	C-001.15.353	C-002.15.353	C-008.15.353

Fixation cards for BETA 200 Retinoscope	
Fixation cards with holder for dynamic retinoscopy, without instrument	C-000.15.360



Orange filter for BETA 200 Retinoscope with XHL illumination	
Orange filter for the bulb, for light-sensitive patients	C-000.15.359



Spare bulb for BETA 200 Retinoscope	2.5V XHL	3.5V XHL
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
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HSL 150 Hand-held Slit Lamp Head	2.5V XHL	3.5V XHL
without handle	C-001.14.602	C-002.14.602



HSL 10x Loupe Attachment for HSL 150	
Loupe attachment with 10x magnification, without instrument	C-000.14.606



Spare bulb for HSL 150 Hand-held Slit Lamp	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.098	X-002.88.099



LAMBDA 100 Retinometer Head	2.5V XHL	3.5V XHL
with acuity scale 20/300 to 20/25 (scale 2), without handle	C-001.35.015	C-002.35.015
with decimal scale 0.06 to 0.8 (scale 1), without handle	C-001.35.010	C-002.35.010



Patient card for LAMBDA 100 Retinometer	
Patient card	C-000.35.005



Spare bulb for LAMBDA 100 Retinometer	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078

Further articles / Accessories

HEINE ophthalmic instruments



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



Spare bulb for Ophthalmic Examination Lamp	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.032	X-002.88.047



[01]

Finoff Transilluminator Head	3.5V XHL
Finoff for scleral transillumination, without handle	C-002.17.080

Aperture for Finoff Transilluminator

Aperture with Cobalt blue filter for Finoff Transilluminator [01]	C-000.17.081
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Spare bulb for Finoff Transilluminator	3.5V XHL
XHL Xenon Halogen spare bulb	X-002.88.078

HEINE Indirect Ophthalmoscopes



LED^{HQ}



LED^{HQ}



LED^{HQ}

	OMEGA 600	OMEGA 500	SIGMA 250	SIGMA 250 M2
Convergence and parallax adjustment	Synchronized	Synchronized	Separate	
Apertures				
Integrated filters			Red-free filter is integrated in aperture row	
Illumination	LED ^{HQ}	XHL or LED ^{HQ}	LED ^{HQ}	
Wearing options	Headband	Professional L Headband	S-FRAME Spectacle Frame	
Further articles	<ul style="list-style-type: none"> • Teaching mirror • Ophthalmoscopy lenses • Fundus charts • Breath Shield 	<ul style="list-style-type: none"> • Teaching mirror • Ophthalmoscopy lenses • Fundus charts • Breath Shield 	<ul style="list-style-type: none"> • Teaching mirror • Blue filter and yellow filter • Diffusor • Ophthalmoscopy lenses • Fundus charts 	
Product variants	–	With integrated camera	–	
Brightness control	On the instrument; visionBOOST	On the instrument	On the power source	
Mobile power supply / Operating time	<ul style="list-style-type: none"> • Rechargeable battery integrates into the headband / typ. 8 hours. 	<ul style="list-style-type: none"> • Headband-mounted battery mPack UNPLUGGED / XHL typ. 2 hours, LED typ. 7 hours • mPack / XHL typ. 4 hours, LED typ. 13 hours 	<ul style="list-style-type: none"> • mPack mini / LED typ. 11 hours 	
Stationary power supply	<ul style="list-style-type: none"> • CW1 wall charger • CC1 charging case • E4-USBC power supply 	<ul style="list-style-type: none"> • EN 50 Table- or / Wall transformer • Plug-in transformer 	–	
Catalogue page	054 – 055	056 – 057	058 – 059	



The new HEINE OMEGA 600 Indirect Ophthalmoscope

There is so much to discover inside the eye. And often tiny details can make a big difference. That's why we provide you with the best optics, the sharpest image, and reliable colours. Along with the capability to explore the whole retina, including the far periphery.

New: visionBOOST for cataract patients: more confidence in the diagnosis when examining patients with media opacities. Proven to deliver up to 20% better view of the retina in patients with cataracts*: no matter what circumstances – always the ideal working brightness for both the patient and the user.

And there is even more: The new HEINE OMEGA 600 is the lightest high-end indirect ophthalmoscope. The new, extremely compact lithium polymer battery is a true lightweight that delivers absolutely top performance. With all cables and electronics integrated in the new headband, this ophthalmoscope is the state of the art. **So discovering more has been made even more comfortable.**

HEINE OMEGA® 600 Indirect Ophthalmoscope

Discover more. With less weight.



Red-free, yellow and cobalt blue filters



Diffuser HEINE, small spot, medium and large



HEINE OMEGA 600
Operation film



The lightest high-end indirect ophthalmoscope worldwide

- ⌘ Best wearing comfort
- ⌘ Personalized fit
 - Ergonomic positioning of controls and levers
 - Adaptable for right and left handed users
 - Flip-up optics unit

Most precise diagnostic, up to the far retinal periphery

- ⌘ Significantly better diagnostics due to unique visionBOOST – even in dense cataracts
- ⌘ Sharpest fundus image due to superior glass optics
- ⌘ Brightest fundus image with true colour rendering thanks to our unique LEDHQ – now in even more natural colours
- ⌘ Best 3D imaging due to our unique Stereoscopic Adjustment Technology
 - in dilated and undilated pupils
 - even with prematures and newborns

Long-lasting investment due to its robust design

- ⌘ Maintenance-free, dustproof optics
- ⌘ Legendary HEINE durability
- ⌘ 5-year guarantee

Easy and effective disinfection thanks to smoothSURFACE

- ⌘ No openings
- ⌘ Integrated electronics
- ⌘ Available HEINE OMEGA 600 Breath Shield



Flip-up function of the optics unit
For more convenient patient interactions



***Eyepieces**
To best accommodate your view, exchange the initially mounted eyepieces +2D with the neutral lenses 0D (supplied with the instrument)



Width adjustment

OMEGA 600 sets	LED
OMEGA 600 wall charger set: Indirect Ophthalmoscope (with battery and +2D eyepiece), [01], E4-USBC [02], eyepiece 0D*, CW1 wall charger [03]	C-008.33.612
OMEGA 600 traveller set: Indirect Ophthalmoscope (with battery and +2D eyepiece) E4-USBC, eyepiece 0D*, traveller bag [04]	C-008.33.613
OMEGA 600 student set: Indirect Ophthalmoscope (with battery and +2D eyepiece), E4-USBC, eyepiece 0D*, TM1 teaching mirror [05], traveller bag	C-008.33.614
OMEGA 600 charging set: CC1 charging case, CB1 charging battery [06]	X-000.99.090

HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

The predecessor of the OMEGA 600



With its LED^{HQ} or XHL technology and perfect colour rendering, the OMEGA 500 has set the standard for reliability and performance.

**Set includes: OMEGA 500,**

HC 50L Headband Rheostat, connecting cord Cinch, A.R. 20D ophthalmoscopy lens, pad with 50 fundus charts, teaching mirror, in hard case.

	XHL – 6V	LED – 6V
Plug-in transformer for HC 50L Headband Rheostat	C-283.40.320	C-283.41.320
EN 50-m Charger with mPack (incl. 2 m extension cord Cinch-Cinch, 90° angled adaptor, instrument support)	C-283.40.302	
mPack with plug-in transformer (incl. 90° angled adaptor)	C-283.40.670	C-283.41.670

Kit includes: OMEGA 500,

HC 50L Headband Rheostat, connecting cord Cinch.



[01]

	XHL – 6V	LED – 6V
Kit 1: with plug-in transformer for HC 50L	C-004.33.537	C-008.33.531
Kit 2: with EN 50 transformer complete (incl. EN 50 Rheostat Control Module, extension cord Cinch-Cinch 2 m, 90° angled adaptor, instrument support)	C-004.33.538	
Kit 3: with mPack and plug-in transformer (incl. 90° angled adaptor) [01]	C-004.33.539	C-008.33.533

**Set includes: OMEGA 500 UNPLUGGED,**

HC 50L Headband Rheostat, A.R. 20D ophthalmoscopy lens, pad with 50 fundus charts, teaching mirror, 1 spare bulb in case of XHL illumination, in hard case.

	XHL – 6V	LED – 6V
mPack UNPLUGGED and plug-in transformer UNPLUGGED	C-284.40.670	C-284.41.670

Kit includes: OMEGA 500 UNPLUGGED, HC 50L Headband Rheostat. Without case.



[02]

	XHL – 6V	LED – 6V
Kit 5: plug-in transformer UNPLUGGED, 1 x mPack UNPLUGGED	C-004.33.541	C-008.33.535
Kit 6: Wall unit EN 50 UNPLUGGED charger, 2 x mPack UNPLUGGED	C-004.33.542	C-008.33.536
Kit 7: Wall unit EN 50 UNPLUGGED charger, 1 x mPack UNPLUGGED [02]	C-004.33.543	C-008.33.537

HEINE OMEGA 500 with DV1 Digital Video Camera

High-resolution digital imaging of the fundus



- **5 MP resolution.** Capable of capturing high-resolution videos or still shots of examinations. No disturbing picture noise due to increased light sensitivity of the camera – also suitable for the examination of premature babies. Perfect for sharing the examiner’s view with a wider audience, educating patients on the diagnosis, recording techniques for presentations, and patient records.
- **Interface and software.** Will plug into any laptop or computer via USB 2.0 interface. Supplied with software program for video recording and image capture.
- **Integrated camera design.** The integrated camera system ensures precise alignment with the optical system of the Indirect Ophthalmoscope. Robust, dustproof design. No further adjustment of mirrors necessary for digital imaging.

For more information, please refer to www.heine.com/omega500dv1



HEINE OMEGA 500
with DV1 film

HEINE OMEGA 500 with DV1 Sets / Kits



Set includes: OMEGA 500 with DV1 Digital Video Camera,
HC 50L Headband Rheostat, USB 2.0 cord, A.R. 20 D ophthalmoscopy lens,
pad with 50 fundus charts, 1 spare bulb if with XHL illumination, in hard case.

	XHL – 6V	LED – 6V
mPack UNPLUGGED and plug-in transformer	C-176.40.670	C-176.41.670



Kit includes: OMEGA 500 with DV1 Digital Video Camera,
HC 50L Headband Rheostat, USB 2.0 cord. Without case.

	XHL – 6V	LED – 6V
mPack with plug-in transformer	C-004.33.560	C-008.33.560
mPack UNPLUGGED with plug-in transformer	C-004.33.561	C-008.33.561
2x mPack UNPLUGGED with EN 50 UNPLUGGED	C-004.33.562	C-008.33.562

HEINE SIGMA® 250 Binocular Indirect Ophthalmoscope

Spectacle-mounted ophthalmoscope – with LED^{HQ} illumination

SIGMA 250 apertures



Large spot, small spot,
red-free filter

SIGMA 250 M2 apertures



Large spot, pinhole,
red-free filter

The spectacle-mounted indirect ophthalmoscope to suit any pupil size. Two separate controls for selecting the **ideal setting of parallax and convergence guarantee completely illuminated stereo views in pupils up to 2 mm, as well as viewing in the periphery.**

- ∴ **Power Source mPack mini – compact and light power source with USB charging option.** With a weight of just 95 g and dimensions of 44x23x101 mm, this mobile power source is now approx. 70% smaller and lighter than its predecessor. Typ. 11 hours in continuous operation at maximum power.
Please note: The SIGMA 250 is still compatible only with mPack mini.
- ∴ **Extremely light**, 110 g without frame. Light and comfortable.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Lightweight frame.** High tensile carbon fiber construction is lightweight and has excellent stability.
- ∴ **Illumination beam adjustable $\pm 3^\circ$.** Eliminates reflexes.
- ∴ **Integrated red-free filter.** Improves contrast.
- ∴ **Optional blue and yellow filters.**
- ∴ **Large and small apertures.**
- ∴ **Dust proof.** Maintenance-free.
- ∴ **PD selection from 47 to 72 mm.** Suits any user.
- ∴ **Optics on swivel mount.** Unrestricted view.
- ∴ **Optional clip-in correction frame** for prescription lenses.

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



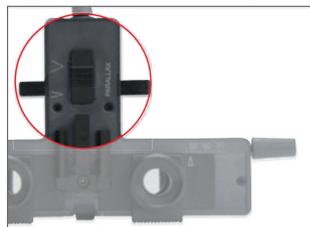
Large pupil



Small pupil



Peripheral view



Parallax adjustment



Convergence adjustment

HEINE SIGMA 250 Sets / Kits



Set includes: SIGMA 250 with S-FRAME Spectacle Frame,
mPack mini with E4-USB plug-in transformer and USB cord, mPack mini Belt Clip,
A.R. 20 D ophthalmoscopy lens, teaching mirror, blue and yellow filters, diffusor,
retaining cord, case.

	LED
SIGMA 250	C-281.41.671
SIGMA 250 M2 (with micro spot aperture instead of small aperture)	C-279.41.671



Without case

Kit includes: SIGMA 250 with S-FRAME Spectacle Frame,
mPack mini with E4-USB plug-in transformer and USB cord, mPack mini Belt Clip,
retaining cord.

	LED
SIGMA 250	C-008.33.341
SIGMA 250 M2 (with micro spot aperture instead of small aperture)	C-008.33.346



HEINE Hand-held Indirect Ophthalmoscope, MONOCULAR

Compact monocular ophthalmoscope



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

- ∴ **Durable metal construction.** Long working life.
- ∴ **Built-in interference red-free filter.** Improves contrast.
- ∴ **All optical components made of coated optical glass.** Precise images and high light intensity.
- ∴ **Adjustable light beam.** Useful for small pupils.
- ∴ **One hand operation.** All control elements can be easily reached with the thumb.
- ∴ **+ 3 D lens attachment.** An aid to accommodation, magnifies the image.

HEINE Hand-held Indirect Ophthalmoscope, MONOCULAR Kits



[01]

Without case

Hand-held Indirect Ophthalmoscope, MONOCULAR with	3.5V XHL
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply	C-020.27.388
BETA4 NT rechargeable handle with NT4 table charger [01]	C-020.23.420

Model Eyes

HEINE Skia/Retinoscope Trainer



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

- ∴ **Scale:** 0° – 180° for cylinder determination.
- ∴ **Diameter of pupil variable:** 2, 3, 4, 5, 6, 8 mm.
- ∴ **Optics:** Optical glass, achromatic lens, focal length F = 32 mm.
- ∴ **Trainer body made of metal:** Extremely stable and durable.
- ∴ **Angle of examination variable.**

Model Eye

Skia/Retinoscope Trainer

C-000.33.011

Model Eyes

HEINE Ophthalmoscope Trainer



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

- ∴ **Diameter of pupil.** Variable 2, 3, 4, 5, 6, 8 mm.
- ∴ **Aspheric optical glass lens.** Focal length F = 18 mm. Lens curvature matches that of the retina.
- ∴ **Trainer body.** Made of metal – extremely stable and durable.
- ∴ **Angle of examination,** variable.

Model Eye

Ophthalmoscope Trainer

C-000.33.010

HEINE A.R. Aspheric Ophthalmoscopy Lenses

With anti-reflex A.R. coating



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

Ophthalmoscopy lens with case

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

Combi case / Hard case

Combi case respectively hard case for indirect binocular ophthalmoscopes.
Features a deep, dense foam insert to protect instruments.



Combi case/Hard case

NEW! OMEGA 600 traveller bag [01] (can be worn over the shoulder or as a backpack.)	C-080.00.000
Combi case [02] for OMEGA 500	C-079.03.000
Hard case[03] for OMEGA 500	C-079.00.000
Case for SIGMA 250 (270 mm x 270 mm x 150 mm) [04]	C-000.32.553

Accessories for HEINE indirect ophthalmoscopes



Fundus charts

Pad with 50 pcs.	C-000.33.208
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Further articles / Accessories

HEINE indirect ophthalmoscopes



OMEGA 600 Ophthalmoscope	LED
with battery and +2D eyepiece, E4-USBC, eyepiece 0D*	C-008.33.610

***Eyepieces:** To best accommodate your view, you can exchange the initially mounted eyepieces +2D with the neutral lenses 0D (supplied with the instrument).



[01] [02]



[03]



[04]



[05]



[06]



[07]

Accessories OMEGA 600 Ophthalmoscope	
CC1 charging case [02]	X-000.99.091
CB1 charging battery [01]	X-007.99.687
E4-USBC power supply with cable [03]	X-000.99.300
CW1 wall charger (without OMEGA 600) [04]	X-095.17.320
TM1 teaching mirror with case [05]	C-000.33.211
OMEGA 600 traveller bag [06]	C-080.00.000
OMEGA 600 Breath Shield – 1 x Breath Shield [07]	C-000.33.018
OMEGA 600 Breath Shield – 3 x Breath Shield	C-000.33.019



Further articles / Accessories

HEINE indirect ophthalmoscopes



OMEGA 500 Ophthalmoscope	XHL – 6V	LED – 6V
on Headband (without HC 50L Headband Rheostat)	C-004.33.500	
on Headband with HC 50L Headband Rheostat and Connecting Cord Cinch	C-004.33.507	C-008.33.502
OMEGA 500 with DV1 and USB 2.0 cord	C-004.33.563	C-008.33.563



Accessories OMEGA 500 Ophthalmoscope	
XHL Xenon Halogen spare bulb for OMEGA 500, 6V	X-004.88.111
Upgrade-Kit OMEGA 500 with LED module [01] and HC 50L [02]	X-008.16.325
LED module for OMEGA 500 [01]	X-008.87.200
HC 50L Headband Rheostat (without plug-in transformer)	X-095.16.325
Plug-in transformer for HC 50L Headband Rheostat	X-095.16.330
Teaching mirror [03]	C-000.33.209
Extension Cord Cinch-Cinch, 2m [04]	C-000.33.510
Connecting Cord Cinch to EN 50 charger/mPack/plug-in transformer for HC 50L, 1.6m [05]	X-000.99.667
Extension cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2m [06]	X-000.99.668
USB 2.0 cord for OMEGA 500 with DV1	X-000.99.206
OMEGA 500 Breath Shield – 1 x Breath Shield + 1 x mounting clip [07]	C-000.33.016
OMEGA 500 Breath Shield – 3x Breath Shield + 1 x mounting clip	C-000.33.017

Further articles / Accessories

HEINE indirect ophthalmoscopes



SIGMA 250 Ophthalmoscope		LED
SIGMA 250 with S-FRAME, retaining cord		C-008.33.340
SIGMA 250 M2 (with micro spot aperture instead of small aperture) with S-FRAME, retaining cord		C-008.33.345



Accessories SIGMA 250 Ophthalmoscope	
Teaching mirror [01]	C-000.33.302
Blue filter [02]	C-000.33.313
Yellow filter [03]	C-000.33.314
Diffusor [04]	C-000.33.315
Case for filters, empty [05]	C-000.33.316
Clip-in correction frame for prescription lenses [06]	C-000.32.309



Hand-held Indirect Ophthalmoscope, MONOCULAR	3.5V XHL
with +3D lens attachment and orbit rest extension, without handle	C-002.33.001

Accessories Hand-held Indirect Ophthalmoscope, MONOCULAR	
+3D lens attachment only [01]	C-000.33.101
Orbit rest extension, for spectacle wearers only	C-000.33.104
XHL Xenon Halogen spare bulb	X-002.88.050

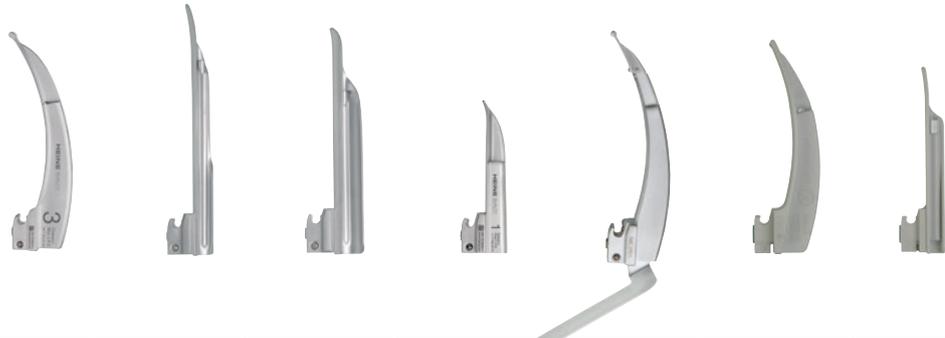


**You can
COUNT
on our
laryngoscopes.
ALWAYS.**





HEINE Laryngoscopes



	Classic+ Macintosh	Classic+ Miller	Classic+ WIS	Classic+ Paed	FlexTip+	XP Macintosh	XP Miller
Blade size	0, 1, 2, 3, 3m, 4, 5	00, 0, 1, 2, 3, 4	1, 2, 3	0, 1	3, 4	1, 2, 3, 4	0, 1, 2, 3, 4
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Polycarbonate	Polycarbonate
Diameter of HiLite Fiber Bundle in mm	4,3	3,7	3,7	3,6	4,3	–	–
Reprocessing	Reusable, Sterilisation without disassembly	Reusable, Sterilisation without disassembly	⊗	⊗			
Recommendations	–	–	–	–	–	Suitable for low ambient temperatures	Suitable for low ambient temperatures
Guarantee	10 years Guarantee and 4000 autoclave cycles	5 years Guarantee and 4000 autoclave cycles	⊗	⊗			
Catalogue page	069	070	070	070	071	072	072

⊗: Single use only.

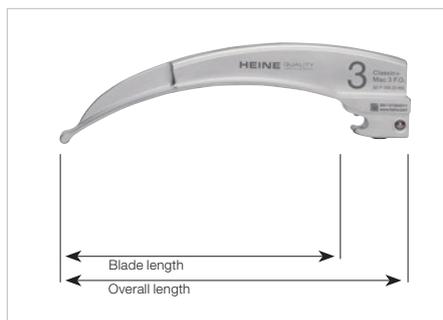
HEINE Classic+ Macintosh Fiber Optic (F.O.) Blades

Innovative Fiber Optic Technology for advanced performance



Our innovative manufacturing technology achieves even better illumination and a longer service life.

- ∴ **The HEINE HiLite Fibre Optic (F.O.) fiber bundle, optimised for use** with up to 6,500 individual fibres and refined directional characteristics, achieves the best possible illumination of the pharynx even after 4,000 sterilisation cycles. For simple and safe intubation.
- ∴ **The new one-piece design from chrome-plated, stainless, high-grade steel** makes the Classic+ F.O. blade even more resistant to the oxidation and/or corrosion damage that can occur in the reprocessing process due to intense use.
- ∴ **HEINE Classic+ blades have no screwed joints, no external fiber bundles and no openings** that could contaminate.
- ∴ **The clean shape without any edges or corners** is easy to clean, disinfect and sterilise.
- ∴ **Compatible with all handles** to the ISO 7376 (green standard).
- ∴ **10 years guarantee.** After 4000 autoclave cycles of 134 °C/4 min, illuminance of at least 1,000 lux.

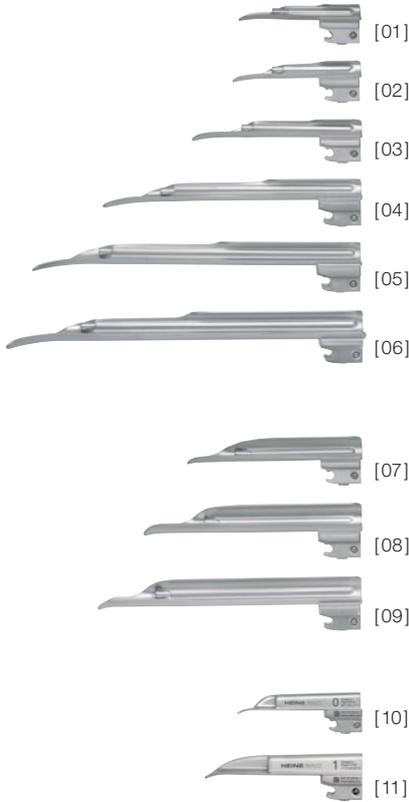


Size	Overall length	Blade length	Distal width	
Mac 0 [01]	82 mm	66 mm	9 mm	F-000.22.100
Mac 1 [02]	94 mm	78 mm	10 mm	F-000.22.101
Mac 2 [03]	114 mm	98 mm	14 mm	F-000.22.102
Mac 3m* [04]	134 mm	118 mm	14 mm	F-000.22.143
Mac 3 [05]	134 mm	118 mm	14 mm	F-000.22.103
Mac 4 [06]	155 mm	139 mm	15 mm	F-000.22.104
Mac 5 [07]	177 mm	161 mm	15 mm	F-000.22.105

* stronger curve

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

Innovative Fiber Optic Technology for advanced performance



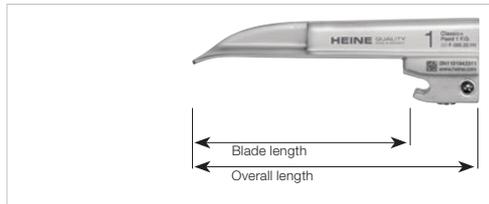
- ∴ **The Miller Classic+ blades with improved geometry simplify intubation.**
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** with up to 6,500 individual micro-fibers for improved light transmission and longer life.
- ∴ **Both ends of the large fiber bundle** are protected – for life.
- ∴ **HEINE Classic+ blades have no screwed joints**, no external fiber bundles and no openings that could contaminate.
- ∴ **The clean shape without any edges or corners** is easy to clean, disinfect and sterilise.
- ∴ These blades need **no maintenance** – ever.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).
- ∴ **High-quality design from chrome-plated, stainless, high-grade steel.**
- ∴ **10 years guarantee.** After 4000 autoclave cycles of 134 °C/4 min, illuminance of at least 1,000 lux.
- ∴ **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants.



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

Size	Overall length	Blade length	Distal width	
Miller 00 [01]	76mm	51mm	10mm	F-000.22.119
Miller 0 [02]	80mm	55mm	11mm	F-000.22.120
Miller 1 [03]	100mm	78mm	12mm	F-000.22.121
Miller 2 [04]	152mm	130mm	13mm	F-000.22.122
Miller 3 [05]	192mm	170mm	13mm	F-000.22.123
Miller 4 [06]	207mm	185mm	16mm	F-000.22.124
WIS 1 [07]	110mm	85mm	13mm	F-000.22.131
WIS 2 [08]	130mm	105mm	16mm	F-000.22.132
WIS 3 [09]	160mm	133mm	16mm	F-000.22.133
Paed 0 [10]	82mm	65mm	12mm	F-000.22.110
Paed 1 [11]	95mm	78mm	13mm	F-000.22.111

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

A useful Tip for a difficult intubation

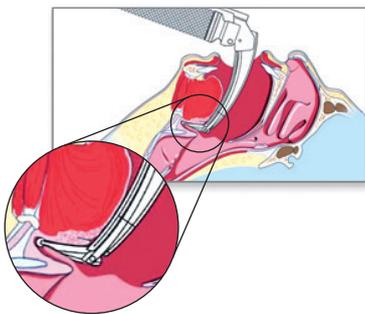
The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- ∴ **HEINE HiLite fiber bundle.** With up to 6500 individual micro-fibers for improved light transmission and longer life.
- ∴ **Integrated Fiber Optics for the best possible illumination.**
- ∴ **High-quality design from chrome-plated, stainless, high-grade steel.**
- ∴ **Swivelling blade tip facilitates difficult intubation.**
- ∴ **Reduced likelihood of damage** to teeth and soft tissue.
- ∴ **Fits all standard F.O. handles** (green standard). Exception: F.O. Angled Handle.
- ∴ **5 years guarantee.** After 4000 autoclave cycles of 134 °C/4 min, illuminance of at least 1,000 lux.



[01]

FlexTip+ F.O. Blade in case	Overall length	Blade length	Distal width	
Mac 3 [01]	134 mm	115 mm	13 mm	F-000.22.313
Mac 4	157 mm	137 mm	13 mm	F-000.22.314
Mac 3 and Mac 4	134 mm/ 157 mm	115 mm/ 137 mm	13 mm/ 13 mm	F-000.22.316



HEINE XP Disposable Laryngoscope Blades

Eliminate cross-infection



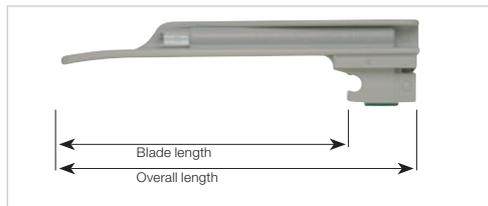
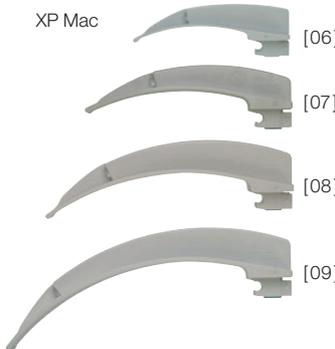
XP Miller



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

- ∴ **No danger of cross-infection.**
- ∴ **Hygienic and safe.**
- ∴ **Optimum light transmission** by oversize light guide.
- ∴ **Extremely bright:** Highest level of illuminance with HEINE 2.5V or 3.5V LED illuminance within laryngoscope insert.
- ∴ **Blade shape optimized to ease the passage of the tube.**
- ∴ **Patient-friendly** with **reduced risk of injury** or damage to teeth.
- ∴ **Extreme torsional stiffness**, practically unbreakable.
- ∴ **Blades do not "freeze"** or stick to the tongue at low temperatures.
- ∴ **Compatible** with all handles to the ISO 7376 (green standard).

XP Mac



XP Miller 1 side-view



XP Mac 2 side-view

XP blade	Overall length	Blade length	Distal width	
Miller 0 [01]	80 mm	62 mm	10 mm	F-000.22.771*
Miller 1 [02]	104 mm	85 mm	10 mm	F-000.22.772*
Miller 2 [03]	155 mm	136 mm	13 mm	F-000.22.773*
Miller 3 [04]	195 mm	177 mm	13 mm	F-000.22.774*
Miller 4 [05]	221 mm	194 mm	14 mm	F-000.22.775*
Mac 1 [06]	90 mm	72 mm	9 mm	F-000.22.761*
Mac 2 [07]	114 mm	96 mm	10 mm	F-000.22.762*
Mac 3 [08]	134 mm	116 mm	14 mm	F-000.22.763*
Mac 4 [09]	154 mm	136 mm	14 mm	F-000.22.764*

* 25 disposable blades individually packed in Dispenser Box.

For HEINE XP Emergency Set, please see page 078.

⊗: Single use only.

HEINE XP Disposable Laryngoscope Handle Shell

Eliminates cross-infection



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

XP Disposable Laryngoscope Handle Shell with bottom insert

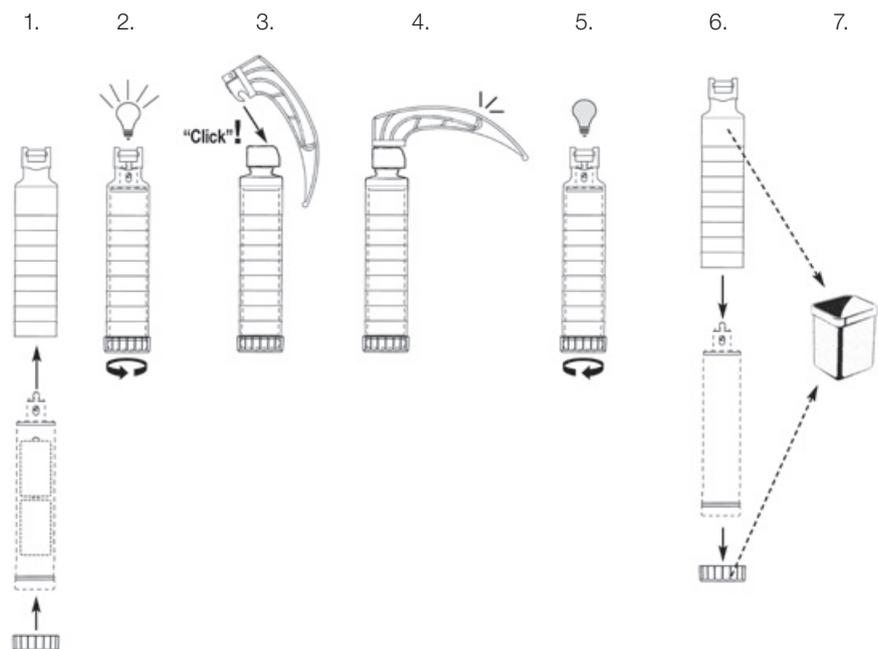
without laryngoscope insert, pack of 25

F-000.22.926

Standard F.O. Laryngoscope Insert	2.5V	3.5V NiMH	3.5V Li-ion
with XHL illumination and Standard F.O. Bottom Insert	F-001.22.858	F-002.22.868	-
with LED illumination and Standard F.O. Bottom Insert	F-008.22.858	F-008.22.868	-
with XHL illumination and Standard F.O.4 NT Bottom Insert	-	-	F-007.22.893*
with LED illumination and Standard F.O.4 NT Bottom Insert	-	-	F-008.22.893*
XHL Xenon Halogen spare bulb	X-001.88.035	X-002.88.044	X-002.88.044

* Please note: The Laryngoscope insert with the HEINE F.O.4 NT Bottom Insert can only be charged in the HEINE NT4 Table Charger.

⊗: Single use only.



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



HEINE EasyClean® LED Laryngoscope Handle

Now all three handle sizes: **STANDARD, SLIM AND SHORT**



The HEINE EasyClean LED Laryngoscope Handle was developed to allow even simpler, faster and safer hygienic reprocessing of the handle – no complex disassembling and assembling of batteries and light unit. This saves the technical service personnel a great deal of time, and reduces the training and maintenance effort.

SIMPLE, FAST AND SAFE CLEANING

- **Non-slip “Wave Design”** improves the reliability of the wipe disinfectant for the handle after use (‘Intermediate Disinfection’).
- **100% waterproof.** In the case of immersion disinfection (‘High-Level Disinfection’) or low temperature sterilisation processes (STERRAD®, VHP® (Steris)), neither the batteries nor the LED light unit need to be removed.
- **Autoclavable LED technology:** No removal of the light unit required for use in autoclaves, just batteries.

PERFECT VIEW

- **There’s LED. And there’s LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That’s what we call LED in HEINE Quality – or LED^{HQ}.**
- **Maximum brightness:** 3x brighter than conventional halogen light.
- Virtually **unlimited hours of working life.**

FAIL-SAFE

- **Typ. 10 hours of operating time** (EasyClean LED Laryngoscope Handle in continuous operation).
- **Fade-Out Feature:** brightness reduces slowly as battery operating time diminishes, for even more efficient battery use.
- **Compatible with all laryngoscope blades** according to ISO 7376 (Green Standard).



EasyClean LED Laryngoscope Handle	LED
EasyClean LED Laryngoscope Handle suitable for 2x C-batteries (LR14), complete* [01]	F-008.22.820
EasyClean LED SLIM Laryngoscope Handle suitable for 2x AA-batteries (LR6), complete* [02]	F-008.22.821
EasyClean LED SHORT Laryngoscope Handle, suitable for 3x AAA-batteries (LR03), complete* [03]	F-008.22.822

*Delivery without batteries.

HYGIENIC REPROCESSING OPTIONS:**

Reprocessing process →	Wipe disinfection	Manual immersion disinfection	Low temperature gas plasma sterilisation (STERRAD®/VHP® (Steris))	Mechanical cleaning + disinfection (thermal disinfectant)	Steam sterilisation/ autoclave
Temperature	Cold	< 60 °C	< 60 °C	max. 93 °C	max. 134 °C/4 min
with batteries	✓	✓	✓	Batteries removed previously	Batteries removed previously
with HEINE LED	✓	✓	✓	✓	✓

**Detailed cleaning instructions can be found in our instructions for use at www.heine.com

HEINE F.O.4 NT Laryngoscope Handles

Li-ion in all handle sizes – XHL or LED^{HQ} illumination



- **Compatible with all laryngoscope blades to the ISO 7376 (green standard).**
- **HEINE Standard F.O. Laryngoscope Handles can be converted from battery to rechargeable handles by simply exchanging the bottom insert.**
- **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**



* Charge Status Indicator in the bottom insert.
Typ. XHL 2,5 hours operating time.
Typ. LED 7 hours operating time.



Standard F.O.4 NT Laryngoscope Handle*	XHL 3.5V Li-ion	LED 3.5V Li-ion
Standard F.O.4 NT Handle, complete [01]	F-007.22.894	F-008.22.894
Laryngoscope insert without bottom insert [02]+[03]	F-002.22.859	F-008.22.890
Bottom insert F.O.4 NT [04]*	F-002.22.884	F-002.22.884
Rechargeable battery [06]	X-007.99.383	X-007.99.383
Handle shell [07]	F-000.22.824	F-000.22.824
Spare bulb	X-002.88.044	-
NT4 table charger, only (without handle)	X-002.99.494	X-002.99.494

Standard F.O. Laryngoscope Battery Handle	XHL 2.5V	LED 2.5V
Standard F.O. Handle, suitable for 2x C-batteries (LR14), compl.** [01]	F-001.22.860	F-008.22.860
Bottom insert [05]	F-001.22.861	F-001.22.861

F.O.4 SLIM NT Laryngoscope Handle	XHL 3.5V Li-ion	LED 2.5V Li-ion
F.O.4 SLIM NT Handle, complete [01]	F-007.22.804	F-008.22.804
Laryngoscope insert without bottom insert [02]+[03]	F-002.22.801	F-008.22.801
Bottom insert F.O.4 SLIM NT [04]	F-000.22.854	F-000.22.854
Rechargeable battery [06]+[07]	X-007.99.380	X-007.99.104
Handle shell [08]	F-000.22.804	F-000.22.804
Spare bulb	X-002.88.044	-
NT4 table charger only (without handle)	X-002.99.494	X-002.99.494
Set of two adaptors	X-000.99.086	X-000.99.086

F.O. SLIM Laryngoscope Battery Handle	XHL 2.5V	LED 2.5V
F.O. SLIM Handle suitable for 2x AA-batteries (LR6), complete** [01]	F-001.22.800	F-008.22.800
Bottom insert [05]	F-000.22.851	F-000.22.851

F.O.4 SHORT NT Laryngoscope Handle	XHL 3.5V Li-ion	LED 2.5V Li-ion
F.O.4 SHORT NT Handle, complete [01]	F-007.22.424	F-008.22.424
Charging module [02]+[03]	X-007.99.394	X-007.99.304
Spare bulb	X-002.88.044	-
NT4 table charger only (without handle)	X-002.99.494	X-002.99.494

F.O. SHORT Laryngoscope Battery Handle	XHL 2.5V	LED 2.5V
F.O. SHORT Handle suitable for 2x AA-batteries (LR6), complete** [04]	F-001.22.812	F-008.22.812

**Delivery without batteries.

Please note: All Li-ion versions can only be charged with the NT4 table charger.

HEINE NT4 Table Charger and Adaptors



All rechargeable HEINE F.O.4 NT Laryngoscope Handles can only be charged with the NT4 table charger. The use of an adaptor is required for some handles. For detailed information about the NT4 table charger and adaptor, please see page 126.

NT4 table charger

without handle, with adaptors for Standard F.O.4 NT Laryngoscope Insert and F.O.4 SHORT NT Laryngoscope Handle

X-002.99.494

Set of two adaptors for F.O.4 SLIM NT Laryngoscope Rechargeable Handle [01]

X-000.99.086

HEINE F.O. 4 Upgrade Kit

For converting to HEINE F.O.4 charging technology



For converting a Standard F.O. or Standard F.O. LED laryngoscope rechargeable handle to a Standard F.O.4 NT solution.

Upgrade Kit F.O. 4 NT

3.5V Li-ion

Bottom insert Standard F.O.4 NT, Li-ion L rechargeable battery, NT4 table charger

F-011.99.420



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



[01]

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

Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. Battery Handle [01]	F-119.10.860	
with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-119.23.865*



[02]

As above, but with LED illumination, without spare bulb

LED ^{HO} Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	F-119.18.860	
with Standard F.O.4 LED NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-119.94.865*
with EasyClean LED Battery Handle [02]	F-119.18.820	



[01]

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

Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. Battery Handle [01]	F-120.10.860	
with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-120.23.865*



[02]

As above, but with LED illumination, without spare bulb

LED ^{HO} Classic+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	F-120.18.860	
with Standard F.O.4 LED NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-120.94.865*
with EasyClean LED Battery Handle [02]	F-120.18.820	

* Please note: The 3.5V Li-ion version will be delivered with the HEINE F.O.4 NT bottom insert and can only be charged in the HEINE NT4 table charger.



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



[01]

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

FlexTip+ Sets	2.5V	3.5V Li-ion
---------------	------	-------------

with Standard F.O. Battery Handle [01]	F-230.10.860	
--	---------------------	--

with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-230.23.865*
--	--	----------------------

As above, but with LED illumination, without spare bulb

LED FlexTip+ Sets	2.5V	3.5V Li-ion
-------------------	------	-------------

with Standard F.O. LED Battery Handle	F-230.18.860	
---------------------------------------	---------------------	--

with Standard F.O.4 LED NT Rechargeable Handle with Li-ion Battery and NT4 table charger		F-230.94.865*
--	--	----------------------

with EasyClean LED Battery Handle	F-230.18.820	
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Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230	F-227.01.000	
--	---------------------	--

FlexTip+ Mac 3 and Mac 4, without handle, in case	F-000.22.316	
---	---------------------	--

* Please note: The 3.5V Li-ion version will be delivered with the HEINE F.O.4 NT bottom insert and can only be charged in the HEINE NT4 table charger.

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 XP disposable laryngoscope handle shell included Standard F.O. laryngoscope insert with XHL illumination and alkaline batteries.

XP Emergency Set	2.5V XHL
------------------	----------

with blades Miller 0, Miller 1, Mac 2, Mac 3, Mac 4 , XP disposable laryngoscope handle shell, Standard F.O. laryngoscope insert, two alkaline batteries, in case	F-258.10.858
--	---------------------

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 refill assortment	2.5V XHL
------------------------------------	----------

Refill assortment with XP disposable laryngoscope handle shell and XP blades, Miller 0, 1, Mac 2, 3, 4 (one each, 5 pieces in total)	F-000.22.739
--	---------------------

Further articles or accessories see page 073.

SKIN has
many stories
to **TELL.**
You just need
to be able
to **READ**
them.



HEINE Dermatoscopes



	DELTA 30	DELTAone	iC1	DELTA 20T	mini 3000
Polarisation	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Non-polarised (immersion)
Illumination	LED ^{HQ}	LED ^{HQ}	LED ^{HQ}	LED ^{HQ}	XHL or LED ^{HQ}
Free field of view – diameter in contact mode	30mm	21 mm	Digital	20mm	14 mm
Magnification	10x	10x	up to 40x digital	10x*	10x
Handle options / power sources	<ul style="list-style-type: none"> • USB cable • Table charger 	<ul style="list-style-type: none"> • USB cable 	<ul style="list-style-type: none"> • USB cable 	<ul style="list-style-type: none"> • Battery handle • USB rechargeable handle • Rechargeable handle with table charger • EN 200 /EN 200-1 	<ul style="list-style-type: none"> • Battery handle • Rechargeable handle with table charger
Contact plate	<ul style="list-style-type: none"> • Contact plate with scale 	<ul style="list-style-type: none"> • Contact plate with scale 	<ul style="list-style-type: none"> • Contact plate with scale 	<ul style="list-style-type: none"> • Contact plate with scale • Contact plate without scale 	<ul style="list-style-type: none"> • Contact plate with scale • Contact plate without scale
Digital documentation	With adaptor and HEINE DERM app	With adaptor and HEINE DERM app	With iPhone/iPod touch** and HEINE DERM app	With optional SLR photo adaptor	–
Optional accessories	Small contact plate for difficult-to-access lesions	Small contact plate for difficult-to-access lesions	–	Small contact plate for difficult-to-access lesions	Small contact plate for difficult-to-access lesions
Catalogue page	081	082	083	084	085

* up to 16x

** The Apple iPhone or iPod touch is not included in the scope of delivery. Apple, the Apple logo, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

HEINE DELTA 30 Dermatoscope

Confidence in diagnosis with our most precise imaging

LED^{HQ}
LED IN HEINE QUALITY.



Not only would our new high-end dermatoscope win any beauty pageant; it stands out due to the best imaging we've ever developed. Combined with a field of view measuring a veritable 30 millimetres and unprecedented colour rendering, in LED^{HQ} of course. Polarisation provides glare-free and non-reflective working conditions. Above all else, it is comfortable to operate with its angled, ergonomic design and intuitive control.

- ∴ **Largest field of view of real 30 mm** (lens 32 mm).
- ∴ **Crystal-clear image** with the new achromatic HEINE optical system.
- ∴ **Fast change from contact- to non-contact examination.**
- ∴ **Ergonomic handling** thanks to the angled product design.
- ∴ **Operate with just one hand:** individual focusing dioptre compensation approximately -4 to +4 dpt.
- ∴ **Excellent colour rendering** due to LED^{HQ}.
- ∴ **Digital documentation** with the exclusive HEINE DERM app or the HEINE Cube System*.
- ∴ **Glare-free and non-reflective working conditions** thanks to polarisation.
- ∴ **Custom light intensity:** 3 degrees of luminous intensity.
- ∴ **10x magnification.**
- ∴ **Switch between polarised and non-polarised light at the touch of a button** = toggle function. For more information, please visit heine.com/en/Toggle
- ∴ **No cross-contamination:** autoclavable contact plate with scale.
- ∴ **Maintenance-free** due to our dustproof design.
- ∴ **Rechargeable battery with Li-ion technology:** no memory effect; you can safely recharge the battery regardless of its charge state.

*Not available in all countries.

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Exclusive
HEINE DERM app



HEINE DELTA 30 Dermatoscope



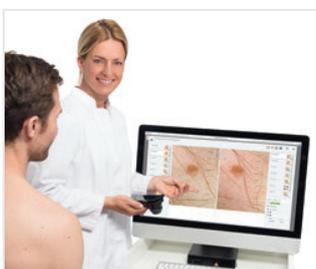
[01]

[02]



	LED
DELTA 30 with contact plate with scale, USB cord with medical approved plug-in power supply, hard case [01]	K-230.28.305
Charger 30 table charging station [02]	X-002.99.212

∴ **Accessories can be found on page 086.**



∴ **A WHOLE NEW DIMENSION OF SKIN SCREENING: HEINE CUBE SYSTEM.**

Image and data management for up to ten mobile HEINE dermatoscopes. Just one highly intelligent investment can help integrate patient data, manage images, serial documentation and increase patient loyalty – and makes work independent, convenient and intuitive.

More information can be found on our website: www.heine.com/en/digital

HEINE DELTAone Dermatoscope

Uniting diagnostic precision and mobility

LED^{HQ}
LED IN HEINE QUALITY.



[01]

Exclusive
HEINE DERM app



Small on the outside, big on the inside. This mobile marvel is taking medical professionals by storm. The crystal-clear image was accomplished using the new achromatic HEINE optical system. What's more, it produces extraordinary colour rendering, due to the quality of our LED^{HQ}. Examinations are now particularly comfortable due to the polarisation allowing doctors to work glare-free and without disrupting reflections. These three features – clarity, LED^{HQ} and non-reflective working – plus the small dimensions, naturally, are what turn the DELTAone into a vital working tool wherever you go.

- ∴ **Fits into any pocket.**
- ∴ **Crystal-clear image** with the new achromatic HEINE optical system.
- ∴ **Fast change from contact- to non-contact examination.**
- ∴ **Excellent colour rendering** due to LED^{HQ}.
- ∴ **Glare-free and non-reflective working conditions** thanks to polarisation.
- ∴ **Operate with just one hand:** individual focusing dioptre compensation approximately -4 to +4 dpt.
- ∴ **Digital documentation** with the exclusive HEINE DERM app or the HEINE Cube System*.
- ∴ **Field of view of real 21 mm** (lens 22 mm).
- ∴ **Custom light intensity:** 3 degrees of luminous intensity.
- ∴ **10 x magnification.**
- ∴ **Switch between polarised and non-polarised light at the touch of a button** = toggle function. For more information, please visit heine.com/en/Toggle
- ∴ **No cross-contamination:** autoclavable contact plate with scale.
- ∴ **Maintenance-free** due to our dustproof design.
- ∴ **Rechargeable battery with Li-ion technology:** no memory effect; you can safely recharge the battery regardless of its charge state.

*Not available in all countries.

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HEINE DELTAone Dermatoscope



[02]



DELTAone with contact plate with scale, USB cord with medical approved plug-in power supply, hard case.

	LED
DELTAone Standard Edition (black-silver) [01]	K-210.28.305
DELTAone White Edition (white-silver) [02]	K-211.28.305

∴ **Accessories can be found on page 086.**

HEINE iC1 Dermatoscope

The digital dermatoscope

LEDHQ
LED IN HEINE QUALITY.



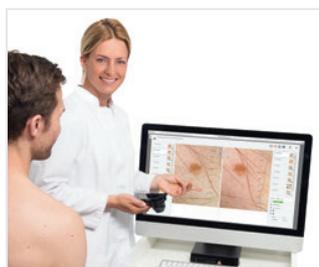
Exclusive
HEINE DERM app



- ⚡ **Sharp, sharper, sharpest.** The HEINE iC1 is a device designed for capturing clinical and dermatoscopic images for documenting and supporting differential diagnosis of melanomas and other skin lesions. Developed in our unrivalled HEINE quality, the iC1 delivers sharp, shadow-free images. Thanks, to both our precise, aspherical optical system and, the 12-megapixel image quality when using an iPhone* 6s or later model. Download the exclusive HEINE DERM app, insert your iPhone and experience digital dermatoscopy like never before.
- ⚡ **Big, bigger, biggest.** The high-quality aspherical optical system with up to 40x true magnification offers everything you need in a practice.
- ⚡ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ⚡ **At the press of a button – the toggle function.** With two switching buttons, the option to switch back and forth between polarisation and immersion images is always within easy reach, regardless of the working position. For more information, please visit heine.com/en/Toggle
- ⚡ **Many see a smartphone. We see an exceptional camera and first-class display.** We've opted for the iPhone* for reasons of quality, user orientation and costs. From our perspective it offers the best camera, a display with the highest resolution and the most progressive touchscreen technology.

* The Apple iPhone is not included in the scope of delivery. Apple, the Apple logo, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

HEINE iC1 Dermatoscope Sets



iC1 Set/5 for iPhone 5s and SE 1st generation	LED
iC1 with contact plate with scale, mounting case smartphone iC1/5 for Apple iPhone 5s* and SE 1st generation*, USB cord with medical approved plug-in power supply	K-271.28.305
iC1 Set/6 for iPhone 6/6s	LED
See above, but with mounting case smartphone iC1/6 for Apple iPhone 6/6s*	K-270.28.305
iC1 Set/7 for iPhone 7, 8 and SE 2nd generation (2020)	LED
See above, but with mounting case smartphone iC1/7 for Apple iPhone 7*, 8* and SE 2nd generation*	K-273.28.305
NEW! iC1 Set/12 Pro for iPhone 12 Pro	LED
See above, but with mounting case smartphone iC1/12 Pro for Apple iPhone 12 Pro*	K-277.28.305

- ⚡ **A WHOLE NEW DIMENSION OF SKIN SCREENING: HEINE CUBE SYSTEM.** Image and data management for up to ten mobile HEINE dermatoscopes. Just one highly intelligent investment can help integrate patient data, manage images, serial documentation and increase patient loyalty – and makes work independent, convenient and intuitive.

More information can be found on our website: www.heine.com/en/digital

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



HEINE DELTA® 20T Dermatoscope

The Classic



- ∴ **Crystal clear, high-resolution images** thanks to the high-quality achromatic optical system. The focusing system delivers 10 to 16x magnification for a detailed view of even the smallest structures.
- ∴ **Toggle function for switching between polarised and non-polarised illumination mode.** With the press of a button. No exchange of contact plates necessary. The additional diagnostic function allows detection of 'blink signs' when viewing crystalline structures and milia. For more information, please visit heine.com/en/Toggle
- ∴ **Glare-free and reflection-free view thanks to polarisation, even without immersion fluid.** For fast and flexible work.
- ∴ **With just one hand:** individual focusing, range of correction approximately -6 to +6 dpt.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **The DELTA 20T is also capable of digital documentation:** using the HEINE digital camera lens system, the dermatoscope can be connected to the SLR cameras of major brands without any issues. Specially developed photo adaptor lenses combine the camera and DELTA 20T to create an unbeatable pair.



HEINE DELTA 20T film



- ∴ **Special small contact plate for the examination of difficult-to-access pigmented lesions, for instance between the fingers or toes.** See page 087 for order information.

HEINE DELTA 20T Dermatoscope Kits



Without case



	LED
DELTA 20T Dermatoscope with contact plate with scale, BETA4 USB rechargeable handle with USB cord and plug-in power supply	K-010.28.388

	LED
DELTA 20T Dermatoscope with contact plate with scale, EN 200-1 Wall Transformer (Single Unit with one handle) as single module with long USB cord and E4-USB plug-in power supply	K-010.28.252

HEINE mini 3000® Dermatoscope

Compact pocket dermatoscope with XHL or LED^{HQ} illumination

LED^{HQ}
LED IN HEINE QUALITY.



Modern pocket dermatoscope with concentrated, bright light for uniform illumination with exact colour rendering. Unique, compact design with high quality optics. 10x magnification with focusing optics, metal instrument head. Can be used with the mini 3000 handle system. Handle available in black and blue, Instrument head only available in black/silver.

Features for both instruments (XHL and LED):

- ∴ **Modern pocket dermatoscope with handy dimensions:** small on the outside, but big on the inside.
- ∴ **10x magnification.**
- ∴ **Focus setting for compensation of ametropia: ± 4 dpt.**
- ∴ **Instrument head made of metal.**
- ∴ **20,000 ON/OFF switch cycles** guaranteed.
- ∴ **Distortion-free image** with high resolution edge to edge thanks to high-quality, colour-neutral achromatic optical system.
- ∴ **Special small contact plate** for the examination of difficult-to-access pigmented lesions, for instance between the fingers or toes.

Special features of the LED instruments:

- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Twice as bright** as a conventional XHL (Xenon Halogen) dermatoscope.
- ∴ **Maintenance-free LED^{HQ} illumination** – no longer a need to replace the light source.
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.

HEINE mini 3000 Dermatoscope Sets / Kits



Set includes: mini 3000 Dermatoscope,
with contact plate with or without scale, zipper case.

	2.5V LED
mini 3000 battery handle with batteries, contact plate with scale	D-888.78.021
mini 3000 battery handle with batteries, contact plate without scale	D-887.78.021



Without case

Kit includes: mini 3000 Dermatoscope, with contact plate with or without scale.

	2.5V XHL	2.5V LED
mini 3000 battery handle with batteries, contact plate with scale	D-001.78.109	D-008.78.109
mini 3000 battery handle with batteries, contact plate without scale	D-001.78.107	D-008.78.107



Further articles / Accessories

HEINE Dermatoscopes

**DELTA 30**

Contact plate with scale [01]	K-000.34.220
Small contact plate [02] for the examination of difficult-to-access pigmented lesions	K-000.34.206
Charger 30 table charging station [03]	X-002.99.212

**DELTAone**

Contact plate with scale [04]	K-000.34.222
Small contact plate [05] for the examination of difficult-to-access pigmented lesions	K-000.24.207

**DELTA 30 and DELTAone**

The currently available iPhone* mounting cases for DELTA 30 and DELTAone can be found at www.heine.com/en/mounting-case-smartphone

Universal Smartphone Connector [06] Suitable for many common smartphone mounting cases Connector only suitable for mobile phone cases with a smooth surface in hard plastic; the camera should not protrude out of the case	K-000.34.270
USB cord with E4-USB medical approved plug-in power supply	X-000.99.303

**iC1 Dermatoscope**

The currently available iPhone* mounting cases for iC1 can be found at www.heine.com/en/mounting-case-smartphone

Contact plate with scale [07]	K-000.34.201
USB cord with E4-USB medical approved plug-in power supply	X-000.99.303

Further articles / Accessories

HEINE Dermatoscopes



DELTA 20T Dermatoscope Head		LED
with contact plate Ø 23mm with scale, without handle		K-008.34.221
with contact plate Ø 23mm without scale, without handle		K-008.34.222



[01]

[02]

Contact plates for DELTA 20T	
23mm dia. with scale [01]	K-000.34.216
23mm dia. without scale [01]	K-000.34.217
Small contact plate, 8 mm dia. [02] for the examination of difficult-to-access pigmented lesions	K-000.34.205



SLR Photo adaptor for DELTA 20T	
for Dermatoscope/digital SLR camera, with optics. Wide field of view, crisp image	
for Canon	K-000.34.185
for Nikon	K-000.34.186



Adaptor cord for DELTA 20T	
(1.3m) for instrument/handle	X-000.99.231



Photo Accessory Set for DELTA 20T	
includes SLR Photo adaptor, adaptor cord, distance ring and BETA Belt Clip	
for Canon	K-000.34.190
for Nikon	K-000.34.191



BETA Belt Clip	
BETA Belt Clip for BETA handle	X-000.99.008



Further articles / Accessories

HEINE Dermatoscopes



mini 3000 Dermatoscope Head*	2.5V XHL	2.5V LED
with contact plate with scale, without handle	D-001.78.108	D-008.78.108
with contact plate without scale, without handle	D-001.78.106	D-008.78.106

*only available in black/silver



[01]



[02]

Contact plates for mini 3000

with scale [01]	D-000.78.117
without scale [01]	D-000.78.116
Small contact plate, 8mm dia. [02] for the examination of difficult-to-access pigmented lesions	K-000.34.008



Spare bulb for mini 3000	2.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.109



Zipper case for mini 3000

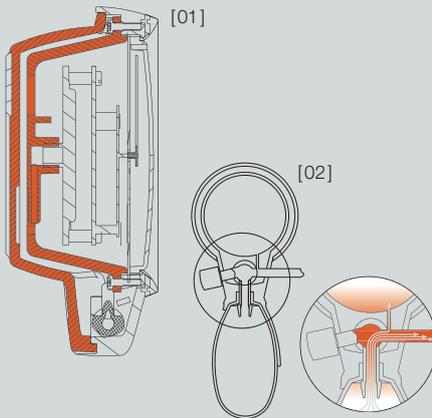
Zipper case	D-887.00.000
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**It's sure
to increase
your
HEARTBEAT.
Out of pure
JOY.**





SHOCKPROOF



SHOCKPROOF

[01] Shockproof double-walled construction with unique manometer protection.

The robust double-walled construction with a unique triple manometer mount gives ideal protection against shocks. Meets the requirements of European Standard EN ISO 81060-1 and ANSI/AAMI/ISO 81060-1.

AIR PRESSURE DISTRIBUTION SYSTEM

[02] Single-tube construction with an innovative air pressure distribution system.

The valve construction provides ideal air pressure conditions to absorb pressure peaks in the air flow to the manometer during inflation. This advantage was only possible until now with twin-tube systems.



CLINICAL APPROVAL

HEINE GAMMA® G7

The model with aluminium alloy construction and precision valve



- ∴ Shockproof.
- ∴ Latex-free.
- ∴ Unique pressure measuring system.
- ∴ Pressure-proof manometer. Ensures durability and reliability.
- ∴ Micro filter. Protects valve and manometer.
- ∴ Large diameter scale. 56mm diameter black-on-white scale is easy to read.
- ∴ High quality indicator. Precisely calibrated, durable and shock resistant.
- ∴ Large insufflation bulb. 50% larger bulb volume for fast inflation of the cuff.
- ∴ Exclusive air-release valve. Provides fine and precise air release rate adjustment, quick deflation, and extreme durability. A rubber-stop prevents valve-lock.
- ∴ Upper housing made of aluminium alloy with a shock absorbing ring protecting indicator and glass.
- ∴ Lower housing is moulded of shockproof plastic with shock absorbing, anti-slip coating.
- ∴ Light alloy, adjustable spoon. For both right- or left-handed operation.
- ∴ High quality, single-tube cuff with velcro fastener. Washable.
- ∴ Ergonomic design: G7 is perfectly balanced for comfort and ease of use.
- ∴ 10 year guarantee.*

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

GAMMA G7

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

HEINE GAMMA® G5

The HEINE standard sphygmomanometer



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

- ∴ **Housing is moulded of shockproof plastic** with shock absorbing, anti-slip coating.
- ∴ **Adjustable spoon (plastic).** For both right or left-handed operation.
- ∴ **5 year guarantee.***

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

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

HEINE GAMMA® GP

The HEINE standard sphygmomanometer with push-button valve



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

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

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

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

HEINE GAMMA® XXL LF

The top-quality professional model

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



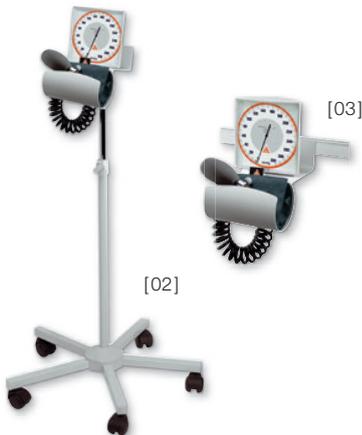
[01]

- ∴ **Latex-free.**
- ∴ **Durable polycarbonate construction.** Will hold up in the busiest hospital and practice environments.
- ∴ **Oversized 130 mm diameter scale.** Can be pivoted for clear, easy reading from any angle.
- ∴ **Long spiral inflation tube (3 m).** For increased working distance.
- ∴ **High quality indicator.** Precisely-calibrated and durable.
- ∴ **Precision air-release valve.** Fine and precise air release.
- ∴ **Maintenance-free,** precise and durable manometer.
- ∴ **Mercury-free.** Environmentally friendly.
- ∴ **Wall, desk, rail and wheeled stand.** Adjustable height.
- ∴ **10 year guarantee.***

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

GAMMA XXL LF

LF-W Wall complete with adult cuff [01]	M-000.09.323
LF-S Wheeled stand complete with adult cuff [02]	M-000.09.326
LF-R Rail complete with adult cuff [03]	M-000.09.325
LF-T Desk (non-spiral insufflation tube) complete with adult cuff [04]	M-000.09.322
GAMMA XXL LF-WB for Wallboard, see page 130 [05]	M-000.09.327



[02]

[03]

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 (Height 80 – 125 cm)	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



[04]



[05]

Blood-pressure cuffs and accessories

Latex-free blood-pressure cuffs



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

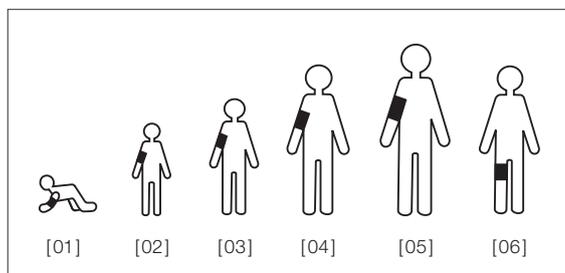
- ⋄ Latex-free.
- ⋄ Fit the most widely used sphygmomanometers.
- ⋄ High-quality velcro cuffs made of wear-resistant material. Physiologically tested.
- ⋄ Double-sewn.
- ⋄ Washable.
- ⋄ Index mark for exact positioning.
- ⋄ Clear indication of size and control mark for arm circumference.
- ⋄ Extra thick,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

	GAMMA G7/G5/GP	Single-tube cuffs (cpl.)			Single-tube bladders		Outer cuffs	
		Size	Circumference/cm		Size		Size	
	Infant [01]	6x28	8–13	M-000.09.700	5x9	M-000.09.661	6x28	M-000.09.059
	Child [02]	10x34	13–20	M-000.09.702	7x14	M-000.09.663	10x34	M-000.09.060
	Adult small [03]	14x53	20–29	M-000.09.704	11x23	M-000.09.664	14x53	M-000.09.061
	Adult [04]	14x58	29–41	M-000.09.619	12x28	M-000.09.665	14x58	M-000.09.055
	Adult large [05]	17x70	35–47	M-000.09.706	15x34	M-000.09.668	17x70	M-000.09.058
	Thigh [06]	20x86	41–59	M-000.09.615	18x41	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	
	Infant [01]	6x28	8–13	M-000.09.701	5x9	M-000.09.671	6x28	M-000.09.059
	Child [02]	10x34	13–20	M-000.09.703	7x14	M-000.09.673	10x34	M-000.09.060
	Adult small [03]	14x53	20–29	M-000.09.705	11x23	M-000.09.674	14x53	M-000.09.061
	Adult [04]	14x58	29–41	M-000.09.629	12x28	M-000.09.675	14x58	M-000.09.055
	Adult large [05]	17x70	35–47	M-000.09.631	15x34	M-000.09.678	17x70	M-000.09.058
	Thigh [06]	20x86	41–59	M-000.09.625	18x41	M-000.09.677	20x86	M-000.09.057

Please note that the position of the connections on the cuffs and bladders has changed.

When ordering spare parts, always quote the LOT number printed on the cuff. This will enable us to supply the correct bladders/outer cuffs.





HEINE GAMMA® STETHOSCOPIES

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

HEINE GAMMA® 3.1 Pulse Stethoscope

For fine acoustic performance.



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

GAMMA 3.1

M-000.09.941

HEINE GAMMA® 3.2 Acoustic Stethoscope

For excellent acoustic performance.



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

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

GAMMA 3.2

M-000.09.942

HEINE GAMMA® 3.3 Acoustic Stethoscope

For the examination of children.



Technical data as GAMMA 3.2.

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

GAMMA 3.3

M-000.09.943

HEINE GAMMA® C3 Cardio Stethoscope

Specially developed for cardiology.



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

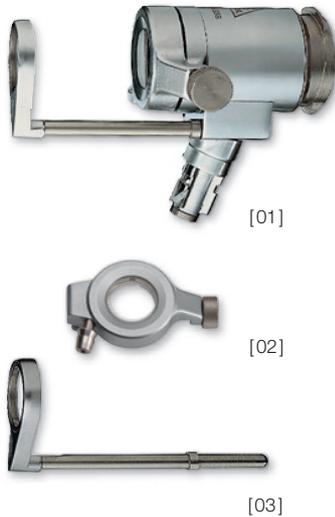
GAMMA C3

M-000.09.944

**We bring
LIGHT
into
the dark.**



Instrument Head for HEINE UniSpec® Tubes



Illumination by Fiber Optic cable and projector or 3.5V BETA Handle with illumination adaptor see accessories on page 97.

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

Instrument head for UniSpec Disposable Tubes

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

HEINE UniSpec® Disposable Tubes



85x20mm 130x20mm 250x20mm

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

UniSpec Disposable Anoscopes (85 x 20 mm)

Pack of 25 disposable anoscopes	E-003.19.925
Box of 100 (4 packs of 25) anoscopes	E-003.19.911

UniSpec Disposable Proctoscopes (130 x 20 mm)

Pack of 25 disposable proctoscopes	E-003.19.825
Box of 100 (4 packs of 25) proctoscopes	E-003.19.811

UniSpec Disposable Sigmoidoscopes (250 x 20 mm)

Pack of 25 disposable sigmoidoscopes	E-003.18.825
Box of 100 (4 packs of 25) sigmoidoscopes	E-003.18.811

⊗: Single use only.

Double Bulb Insufflator/Hygiene Filter

For use with anoscope, proctoscope and rectoscope



- ∴ **Latex-free double bulb insufflator** for air insufflation.
- ∴ For possible use with anoscope, proctoscope and rectoscope.
- ∴ **Disposable hygiene filter** minimises contamination of the double bulb insufflator.

Double Bulb Insufflator	E-000.18.105
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Disposable Hygiene Filters 25 pcs/pack	E-000.18.116
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HEINE Illumination Adaptor



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

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

Sigmoidoscope/Proctoscope Kit BETA4 USB



Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x.
 Pack of 25 UniSpec Sigmoidoscope Tubes 250mm
 Pack of 25 UniSpec Proctoscope Tubes 130mm
 Pack of 25 UniSpec Anoscope Tubes 85mm
 Double bulb insufflator
 Illumination adaptor
 Connecting cord 2m
 BETA4 USB Rechargeable Handle with
 E4-USB Medical approved plug-in power supply

Sigmoidoscope/Proctoscope Kit BETA4 USB	3.5V XHL
Complete Sigmoidoscope/Proctoscope Kit BETA4 USB	E-097.27.388
Spare bulb	X-002.88.078
Disposable Hygiene Filters 25 pcs/pack	E-000.18.116



**Let
there
be
LIGHT.**



HEINE EL 10 LED® Examination Light

A real highlight in all respects with LED^{HQ} illumination

LED^{HQ}
LED IN HEINE QUALITY.



The EL 10 LED examination light distinguishes itself through an absolutely homogeneous field of light. The light intensity can be regulated continuously. The diameter of the spot size can be freely adjusted between 8.5 and 14 cm, with a working distance of 30 cm. Controls with ergonomic grip allow for intuitive and fast adjustment of brightness and spot size. The compact illumination head (Ø approx. 60 mm) allows an almost coaxial illumination, particularly in difficult application situations.

- ∴ **Bright and homogeneous.** Perfect illumination in every examination situation. unobstructed view of the ear canal and tympanum.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE quality – or LED^{HQ}.**
- ∴ **3 different mounting options.** Wall mounting, clamp for table-top mounting or on a wheeled stand.
- ∴ **Solid construction.** Reliable operation and illumination power for many years.
- ∴ **Hygiene.** Easy and efficient cleaning and disinfection.
- ∴ **Coiled goose neck.** Easy and intuitive adjustment.
- ∴ **An electrical control system** monitors all functions and guarantees safety.

EL 10 LED Examination Light	LED
with wall mount [01]	J-008.27.001
with clamp for table-top mounting [02]	J-008.27.002
with wheeled stand, metal base [03]	J-008.27.003
Clamp for table-top mounting for EL 10 LED	J-000.27.013
Wheeled stand, metal base with mount for EL 10 LED (Height 80 cm)	Y-096.50.010
Mount for wheeled stand [04]	J-000.27.014



HEINE EL3 LED Examination Light

Simply bright LED illumination in LED^{HQ}

LED^{HQ}
LED IN HEINE QUALITY.



- ∴ **Simply bright.** The EL3 LED provides bright, shadow-free illumination precisely at the point of interest.
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE quality – or LED^{HQ}.**
- ∴ **Shadow-free illumination.** The compact illumination head (Ø approx. 60mm) allows convenient, precise positioning, particularly in difficult application situations. Optimal positioning eliminates unwanted shadows in the illuminated field.
- ∴ **Maintenance-free and easy to clean.** Cool-Touch closed head design makes disinfection safe and easy.
- ∴ **Optimal positioning.** The light weight head and stable goose neck allow easy and intuitive adjustment and keep the light exactly in the required position.
- ∴ **Various mounting options.** Wall mounting, clamp for table-top mounting or on a wheeled stand.

EL3 LED Examination Light	LED
with wall mount [01]	J-008.27.011
with clamp for table-top mounting [02]	J-008.27.013
with wheeled stand, metal base [03]	J-008.27.014
Clamp for table-top mounting for EL3 LED	J-000.27.013
Wheeled stand, metal base with mount for EL3 LED (Height 80cm)	Y-096.50.010
Mount for wheeled stand [04]	J-000.27.014





**Once you've
TRIED
it, you'll never
WANT
to do
without it
AGAIN.**



Various magnifications (from 2.3x to 6x), working distances, wearing options (unique S-FRAME, Lightweight Headband and Professional L Headband) and LoupeLight2 illumination systems are available. They provide homogeneous, reflex-free illumination even in deep cavities. State-of-the-art LED HQ technology and design!

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

Definitions:

∴ **Working distance (x)**

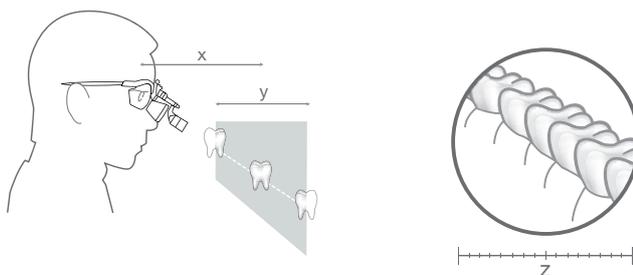
The distance, at which the optics of a loupe are sharply-focused.

∴ **Depth of field (y)**

The range over which the image remains sharply-focused.

∴ **Field of view (z)**

The area that can be seen under magnification at the nominal working distance.



How to choose the correct Loupe:

∴ **Choose your magnification**

Choose the lowest magnification that meets your needs. The lower the magnification, the larger the field of view and the easier the loupe will be to use.

∴ **Choose your optics**

HR: High-Resolution achromatic optics with excellent optical qualities.

HRP: High Resolution Prismatic optics with excellent optical qualities for 3.5x magnification and higher.

C: Economy.

∴ **Choose your working distance**

This is an individual choice depending on the examiner's size and working position. The longer the working distance, the bigger the field of view.

∴ **Choose your mounting option**

Spectacle frame or Headband.

∴ **Add illumination**

Coaxial bright light is especially-important when using magnification.

HEINE Binocular Loupes



	HR	HRP	C
Magnification / working distance	<ul style="list-style-type: none"> • 2.5x/340mm • 2.5x/420mm • 2.5x/520mm 	<ul style="list-style-type: none"> • 3.5x/420mm • 4x/340mm • 6x/340mm 	<ul style="list-style-type: none"> • 2.3x/340mm • 2.3x/450mm
Mounting options	<ul style="list-style-type: none"> • S-FRAME Spectacle Frame [01] • Professional L Headband [02] 	<ul style="list-style-type: none"> • S-FRAME Spectacle Frame [01] • Professional L Headband [02] 	<ul style="list-style-type: none"> • Lightweight Headband [04] • Simple Metal Frame [05]
Further articles	<ul style="list-style-type: none"> • Protective Lenses • Close-up Lenses (To reduce the working distance from 350mm to 250mm) • LoupeLight2 [03] (Pages 113 / 114) 	<ul style="list-style-type: none"> • Protective Lenses • LoupeLight2 [03] (Pages 113 / 114) 	<ul style="list-style-type: none"> • Protective Lenses
Features	<ul style="list-style-type: none"> • i-View Function* • Modular • Water-resistant • Achromatic Optics • Optional Prescription Correction 	<ul style="list-style-type: none"> • i-View Function* • Modular • Water-resistant • Achromatic Optics • Optional Prescription Correction 	<p>–</p>
Catalogue page	106 – 107	108 – 109	110

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



[01]



[02]



[03]



[04]



[05]



HEINE HR 2.5x High Resolution Binocular Loupes

With i-View loupe mount



HR 2.5x Optics with i-View

- ∴ **Achromatic optics** for crisp, bright images with colour-correction.
- ∴ **Lightweight** (51 g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **High magnification** with a large field of view and excellent depth of field.
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight2.

HR 2.5x Specifications

Working distance in mm	340	420	520
Field of view in mm	90	130	180
Depth of field in mm	110	180	260



Optional clip-in correction frame

Mounting Options:

∴ HEINE S-FRAME

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



Professional L Headband with S-GUARD

∴ HEINE Professional L Headband **with** S-GUARD

- ∴ **S-GUARD splash protection.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



Professional L Headband without S-GUARD

∴ HEINE Professional L Headband **without** S-GUARD

- ∴ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**

HEINE HR 2.5x High Resolution Binocular Loupes

With i-View loupe mount



Set A



Set B
with S-GUARD



Set C
without
S-GUARD

HR 2.5x Sets with i-View loupe mount

Working distance in mm	340	420	520
Set A: HR 2.5x optics with i-View on S-FRAME Protective lenses 2 sterilisable swivel levers Retaining cord Cleaning cloth Carrying case	C-000.32.355	C-000.32.356	C-000.32.567
Set B: HR 2.5x optics with i-View on Professional L Headband S-GUARD splash protection Protective lenses 2 sterilisable swivel levers Cleaning cloth	C-000.32.365	C-000.32.366	C-000.32.367
Set C (without S-GUARD): HR 2.5x optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.865	C-000.32.866	C-000.32.867

For details of accessories and LoupeLight2 see pages 112 – 114.



HEINE HRP High Resolution Prismatic Binocular Loupes

With i-View loupe mount



HRP Optics with i-View

- ∴ **Achromatic optics** for crisp, bright images from edge-to-edge.
- ∴ **Lightweight** (85g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **Highest magnification:** Choice of 3.5x, 4x and 6x.
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight2.

HRP Specifications

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

Mounting Options:



∴ HEINE S-FRAME

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



∴ HEINE Professional L Headband **with** S-GUARD

- ∴ **S-GUARD splash protection.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



HEINE Professional L Headband **without** S-GUARD

- ∴ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**

HEINE HRP High Resolution Prismatic Binocular Loupes

With i-View loupe mount



Set A



Set B
with S-GUARD



Set C
without
S-GUARD

HRP Sets with i-View loupe mount

Working distance in mm	HRP 3.5x/420	HRP 4x/340	HRP 6x/340
Set A: HRP optics with i-View on S-FRAME Protective lenses 2 sterilisable swivel levers Retaining cord Cleaning cloth Carrying case	C-000.32.430	C-000.32.431	C-000.32.432
Set B: HRP optics with i-View on Professional L Headband S-GUARD splash protection Protective lenses 2 sterilisable swivel levers Cleaning cloth	C-000.32.440	C-000.32.441	C-000.32.442
Set C (without S-GUARD): HRP optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.840	C-000.32.841	C-000.32.842

For details of accessories and LoupeLight2 see pages 112 – 114.



HEINE C2.3 Binocular Loupes

The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.



C2.3

- ∴ **Crisp, clear images.** Multi-coated, scratch-resistant silica glass lenses produce crisp, clear images.
- ∴ **Flexibility for precise adjustment.** Independently adjustable PD controls ensure precise alignment of the optics.
- ∴ **Super lightweight and comfortable – only 46g.** Flexible coil temples wrap-around to fit the user’s anatomy securely and comfortably. Spring-loaded temples will adjust to the user’s anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340mm or 450mm (13 or 18 inches).
- ∴ Also available as C2.3K on Lightweight Headband.



C2.3K

Specifications	C2.3x/340 mm	C2.3x/450 mm
Magnification	2.3x	2.3x
Working distance	340 mm	450 mm
Field of view dia.	110 mm	130 mm
Weight	46 g	46 g
Depth of Field	120 mm	190 mm

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

Important information for those who wear glasses:

The C2.3K 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/C2.3K 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 C2.3 Loupes and accessories	C-000.32.038
Detachable protective lenses for C2.3 and C2.3K. To protect the optics.	C-000.32.097

Carrying cases and storage cases may deviate in shape and colour.

HEINE Binocular Loupes

Ordering Information



Optics with i-View loupe mount for S-FRAME in carrying case

Working distance in mm	340mm	420mm	520mm
HR 2.5x	C-000.32.595	C-000.32.596	C-000.32.597

HRP 3.5x HRP 4x HRP 6x	C-000.32.721 C-000.32.722	C-000.32.720	
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Optics with i-View and S-GUARD for Professional L Headband

Working distance in mm	340mm	420mm	520mm
HR 2.5x	C-000.32.585	C-000.32.586	C-000.32.587

HRP 3.5x HRP 4x HRP 6x	C-000.32.711 C-000.32.712	C-000.32.710	
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Optics with i-View for Professional L Headband (without S-GUARD)

Working distance in mm	340mm	420mm	520mm
HR 2.5x	C-000.32.733	C-000.32.734	C-000.32.735

HRP 3.5x HRP 4x HRP 6x	C-000.32.737 C-000.32.738	C-000.32.736	
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HEINE Binocular Loupes Accessories

Ordering Information



[01]



[02]



Mounting options

S-FRAME*

For HR and HRP Binocular Loupes incl. retaining cord

C-000.32.302

* with protective lenses, large (lg).

Professional L Headband

For HR and HRP optics

C-000.32.549

Accessories for optics

HR Close-up Lenses in case

HR 2.5x/340 mm to 250 mm. The close-up lenses reduce the working distance of the binocular loupes.

Close-up Lenses for HR 2.5x/340 mm optics

C-000.32.523

Protective Lenses

To protect the optics of the HR and the HRP loupes

Protective Lenses for HR loupes (5 pairs) [01]

C-000.32.537

Protective Lenses for HRP loupes [02]

C-000.32.027

Sterilisable Swivel Levers

For HR and HRP loupes with i-View

C-000.32.551

Carrying Case

For Binocular Loupe optics or for all sets with S-FRAME

C-000.32.552

Accessories for S-FRAME

S-FRAME retaining cord

C-000.32.305

S-FRAME replacement part set

with side rubbers, nose pad (1 piece) and screw

C-000.32.308

Clip-in correction frame

for prescription lenses

C-000.32.309

Protective lenses, large (lg), 1 pair (Standard)

C-000.32.306

Protective lenses, small (sm), 1 pair

C-000.32.307

HEINE LoupeLight2

Compact LED^{HQ} Headlight – now even brighter

LED^{HQ}
LED IN HEINE QUALITY.



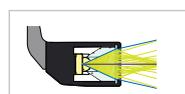
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Compact, lightweight (50 g).** Ensures perfect comfort.
- ∴ **Aluminium Housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management.
- ∴ **Coaxial Illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- ∴ **Optional Filter.** Polarisation filter P2 improves contrast and yellow filter reduces blue light.
- ∴ **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5 m. Connects the LoupeLight2 with the mPack mini.
- ∴ **Incl. coloured attachment clips for personalisation.** To fixate the cable and to identify your LoupeLight.

Technical Specification

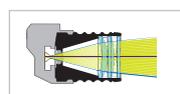
Illumination	Typ. 55 000 Lux*
Colour Temperature	Typ. 4 000 Kelvin
LED Operating Life	Typ. 50 000 hours
Spot Size	The illuminated field is designed to complement the HR/HRP loupes. 81 mm dia. at 420mm, 95 mm dia. at 520mm working distance
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	Typ. 9h with mPack mini (in continuous operation at full power typ. 4 hours)

*Measured at a working distance of 180mm from the light emission to the object.

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



Conventional System [02]



HEINE Precision 4-Lens System [03]



Comparison of homogeneity

HEINE mPack mini

Compact and lightweight power source for LoupeLight2 / MicroLight2



- ∴ **Operating time typ. 9 hours.** In continuous operation at full power typ. 4 hours.
- ∴ **Charging time typ. 4 hours.**
- ∴ **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101mm the power source can be easily stowed.
- ∴ **For further information on the mPack mini, please see pages 117 and 137.**



HEINE LoupeLight2 and Accessories

Ordering Information



LoupeLight2	
LoupeLight2 for HR/HRP Loupes for i-View loupe mount [01]	C-008.32.226*
Detachable Yellow Filter [02]	C-000.32.241
Polarisation filter P2 for LoupeLight2 and HR Loupes [03] + [04]	C-000.32.535
Spare polarisation filter P2 for HR Loupes (2 pairs) [04]	C-000.32.536
Connecting cord SC1 (1,5m/Ø 2,4mm) for LoupeLight2/mPack mini [05]	C-000.32.240
Connecting cord SC2 (1,5m/Ø 3,2mm) for LoupeLight2/mPack mini [06]	C-000.32.243



LoupeLight2 with Power Source for i-View loupe mount (HR / HRP)	
LoupeLight2 with mPack mini and E4-USB plug-in transformer [07]	C-008.32.265*
mPack mini Belt Clip [08]	X-000.99.006

*Not suitable for HR/HRP loupes with a rigid loupe mount.

For further information on the mPack mini, please see pages 117 and 137. Power supplies may deviate in size and shape.

HEINE LoupeLight2 Sets

With mPack mini and E4-USB plug-in transformer



LoupeLight2 Sets with HR Binocular Loupes			
Magnification / working distance in mm	HR 2.5x/340	HR 2.5x/420	HR 2.5x/520
HR 2.5x optics with i-View on S-FRAME and LoupeLight2	C-008.32.450	C-008.32.451	C-008.32.452
Detachable Yellow Filter			
mPack mini			
mPack mini Belt Clip			
E4-USB plug-in transformer			
Connecting cord			
Protective lenses			
2 sterilisable levers			
Retaining cord, Cleaning cloth, case			



LoupeLight2 Sets with HRP Binocular Loupes			
Magnification / working distance in mm	HRP 3.5x/420	HRP 4x/340	HRP 6x/340
HRP optics with i-View on S-FRAME and LoupeLight2	C-008.32.453	C-008.32.454	C-008.32.455
Detachable Yellow Filter			
mPack mini			
mPack mini Belt Clip			
E4-USB plug-in transformer			
Connecting cord			
Protective lenses			
2 sterilisable levers			
Retaining cord, Cleaning cloth, case			

HEINE Headlights

LED^{HQ}



LED^{HQ}



	MicroLight2	ML4 LED HeadLight
Illumination	LED ^{HQ}	LED ^{HQ}
Light intensity*	typ. 55,000 Lux	typ. 90,000 Lux
Colour temperature (Kelvin)	typ. 4,000K	typ. 5,500K
Spot size*	81 mm	30 – 80mm
Power sources / operating time	<ul style="list-style-type: none"> • mPack mini / typ. 9 hours 	<ul style="list-style-type: none"> • mPack UNPLUGGED / typ. 3,5 hours • mPack / typ. 8,5 hours
Weight	<ul style="list-style-type: none"> • 80g with S-FRAME Spectacle Frame • 190g with Lightweight Headband 	<ul style="list-style-type: none"> • 260g • 460g with mPack UNPLUGGED
Angle of declination	Fully-adjustable	Fully-adjustable
Brightness control	0 – 100%	0 – 100%
Features	<ul style="list-style-type: none"> • Waterproof • Optional Yellow Filter • Head- or Spectacle-worn 	<ul style="list-style-type: none"> • Adjustable Spot Size • Optional Yellow Filter • Polarisation Filter • Expandable with HR and HRP Loupes • Head-worn
Catalogue page	116 – 117	118 – 121

*Measured at a working distance of 180mm from the light emission to the object.

HEINE MicroLight2

Compact LED^{HQ} Headlight – now even brighter

LED^{HQ}
LED IN HEINE QUALITY.



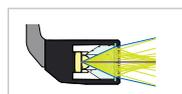
- ∴ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Compact and lightweight.** Ensures perfect comfort.
- ∴ **Aluminium Housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management.
- ∴ **Coaxial illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- ∴ **Homogeneity:** An absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- ∴ **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5m. Connects the MicroLight2 with the mPack mini.
- ∴ **Incl. coloured attachment clips for personalisation.** To fixate the cable on the S-FRAME and to identify your headlight.

Technical Specification

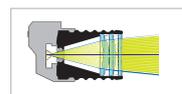
Illumination	Typ. 55 000 Lux*
Colour Temperature	Typ. 4 000 Kelvin
LED Operating Life	Typ. 50 000 hours
Weight	80g together with S-FRAME, 190g together with Lightweight Headband
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	Typ. 9h with mPack mini (in continuous operation at full power typ. 4 hours)

*Measured at a working distance of 180mm from the light emission to the object.

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



Conventional System [01]



HEINE Precision 4-Lens System [02]



Comparison of homogeneity

Mounting Options:

∴ HEINE S-FRAME

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad.** Can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kynetium reduces weight (80g together with MicroLight2).
- ∴ **Tough polycarbonate protective lenses.**

∴ HEINE Lightweight Headband

- ∴ **Lightweight** (190g together with MicroLight2.) Ideal for spectacle wearers.
- ∴ **Fully-adjustable for width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**



HEINE mPack mini

Compact and lightweight power source for LoupeLight2 / MicroLight2



[01]

- ∴ **Freedom from cables** that tie the user to desk, wall or static power supplies.
- ∴ **Operating time typ. 9 hours.** In continuous operation at full power typ. 4 hours.
- ∴ **Charging time typ. 4 hours.**
- ∴ **Charge status indicator.** Display of remaining battery power with three LEDs. The flashing of the last LED indicates that immediate charging is required. During charging the LEDs light up one after the other.
- ∴ **Stepless light intensity control.** Optimum brightness setting between 100% and 3% reduces reflexes.
- ∴ **USB cord** with E4-USB Medical approved plug-in power supply.
- ∴ **The integrated galvanic separation module** protects the battery and the user against the consequences of defective power supplies, thus preventing the possibility of the full mains voltage flowing directly to the housing. We recommend the use of a medical approved plug-in power supply.
- ∴ **Simple cleaning.** Closed housing, no seams at the sides, few edges.
- ∴ **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed.
- ∴ **Optimised mPack mini belt clip** for easy attachment of the power source to the belt or coat pocket. The mPack mini can also be charged in the belt clip [01].
- ∴ **Li-ion technology.** No "memory effect", without worrying about charge level or battery condition.
- ∴ **Integrated rechargeable battery.** Can be exchanged at authorised specialist dealers.

∴ **For further information on the mPack mini, please see page 137.**

HEINE MicroLight2

Ordering Information



[01]



[02]



[03]



[04]



[05]

MicroLight2

on S-FRAME with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer with USB cord, connecting cord, retaining cord, in case [01]

J-008.31.276

on Lightweight Headband with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer with USB cord, connecting cord, in case [02]

J-008.31.277

Detachable Yellow Filter [03]

C-000.32.241

Connecting cord SC1 (1,5m/Ø 2,4 mm) for MicroLight2/mPack mini [04]

C-000.32.240

Connecting cord SC2 (1,5m/Ø 3,2 mm) for MicroLight2/mPack mini [05]

C-000.32.243



HEINE ML4 LED HeadLight

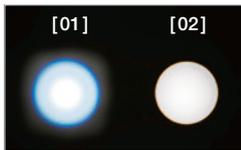
Ultra bright coaxial LED^{HQ} illumination



- ⌘ **There's LED. And there's LED^{HQ}.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- ⌘ **Adjustable illumination spot size:** 30 mm to 80 mm spot size range (at 420 mm working distance) to fit any examination situation.
- ⌘ **Bright and homogenous illumination.** Absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- ⌘ **Stepless light intensity control.** Optimal brightness setting prevents reflexes.
- ⌘ **Flexibility.** Flexible Power Source Options: 100 % mobility with a choice of cable-free mPack UNPLUGGED head-worn battery or mPack belt-worn battery pack.
- ⌘ **Coaxial illumination.** Coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- ⌘ **Comfortable and secure fit.** The Professional L headband has multiple adjustment points and soft padding for comfort and stability – even during long examinations.
- ⌘ **Optional filters.** Polarisation Filter P2 improves contrast and yellow filter reduces blue light.

Technical Specification

Illumination	Typ. 90,000 Lux*
Colour Temperature	Typ. 5,500 Kelvin
LED Operating Life	Typ. 50,000 hours
Spot Adjustment	30 mm to 80 mm at 420 mm working distance
Angle of Declination	Stepless and individually adjustable for every examination
Rheostat	Headband-mounted
Operating Time	Typ. 8.5 hours with mPack and typ. 3.5 hours with mPack UNPLUGGED of continuous ON time at full power



Comparison of homogeneity
[01] Competitor product
[02] HEINE ML4 LED HeadLight

*Measured at a working distance of 180mm from the light emission to the object.

Power Options:

⌘ HEINE mPack

- ⌘ **Portable power pack.** Does not tie the user to desk, wall or static power supplies.
- ⌘ **Li-ion technology. Triple capacity** compared with current NiCd systems.
No memory effect, autonomy for typ. 8.5 hours of continuous ON time at full power.
- ⌘ **Fast charge.** Charges to full capacity in typ. 2 hours.
- ⌘ **Charge status indicator.** Always lets you know how much operating charge you have left.
- ⌘ **Brightness control.** Optimal adjustment of light intensity.
- ⌘ **Flexible charging options:** EN 50 Desk and wall charger, or plug-in transformer.
- ⌘ **Intelligent.** Can be used as mains power supply even while in “charge” mode.
- ⌘ **100 – 240V compatible transformer** incl. 4 plugs for world wide compatibility.

For the optional EN 50 table/wall unit please see page 136.

⌘ HEINE mPack UNPLUGGED. Headband-mounted rechargeable battery.

- ⌘ **Wireless.** 100 % mobility for absolute freedom of movement.
- ⌘ **Rechargeable battery integrated on the headband.**
- ⌘ **Lightweight with balanced weight distribution.** High level of comfort.
- ⌘ **Charge status indicator** indicates remaining operating time.
- ⌘ **Intelligent.** Can be used as mains power supply even in “charge” mode.
- ⌘ **Fast charge.** Charges to full capacity in typ. 2 hours. Operating time typ. 3.5 hours of continuous ON time at full power.
- ⌘ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology. UL compliant.



HEINE ML4 LED HeadLight

Ordering Information



ML4 LED HeadLight with Professional L Headband

ML4 LED HeadLight without power source [01]	J-008.31.410
ML4 LED HeadLight with plug-in transformer [01] + [02]	J-008.31.411
ML4 LED HeadLight with mPack and plug-in transformer [01] + [03]	J-008.31.413
ML4 LED HeadLight with mPack UNPLUGGED and plug-in transformer UNPLUGGED [01] + [04]	J-008.31.415
ML4 LED HeadLight with wall mounted EN 50 UNPLUGGED Charger and 2x mPack UNPLUGGED [01] + [05]	J-008.31.416

Power supplies may deviate in size and shape.

ML4 LED HeadLight accessories

Detachable Yellow Filter [06]	J-000.31.321
Extension cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2 m [07]	X-000.99.668
Polarisation Filter P2 for ML4 LED and HR Loupes [08] + [09]	J-000.31.326
Spare Polarisation Filter P2 for HR Loupes (2 pairs) [09]	C-000.32.536



HEINE ML4 LED HeadLight with HR/HRP Optics



The ML4 LED HeadLight is optionally supplied with HR/HRP Binocular Loupes incl. i-View loupe mount and with or without S-GUARD. The binocular loupe is fully adjustable for every examiner and for every examination axis.

- ∴ **HEINE S-GUARD:** Rapid and simple symmetric adjustment of binocular loupes with splash protection by protective lenses.
- ∴ **HEINE i-View for ML4 LED HeadLight:** Provides any angle of view and flips up the optics independently of the illumination beam.



[01]

ML4 LED HeadLight Kits with S-GUARD and Power Source

The following Kits contain: ML4 LED HeadLight on Professional L headband, HR/HRP optics with i-View and S-GUARD, mPack and plug-in transformer [01]

Kit 1:	with HR Binocular Loupe	2.5x/340mm	J-008.31.440
Kit 2:	with HR Binocular Loupe	2.5x/420mm	J-008.31.441
Kit 11:	with HR Binocular Loupe	2.5x/520mm	J-008.31.450
Kit 3:	with HRP Binocular Loupe	3.5x/420mm	J-008.31.442
Kit 4:	with HRP Binocular Loupe	4x/340mm	J-008.31.443
Kit 5:	with HRP Binocular Loupe	6x/340mm	J-008.31.444



[01]



ML4 LED HeadLight Kits with Power Source without S-GUARD

The following Kits contain: ML4 LED HeadLight on Professional L headband, HR/HRP optics with i-View, mPack and plug-in transformer [01]

Kit 1c:	with HR Binocular Loupe	2.5x/340mm	J-008.31.452
Kit 2c:	with HR Binocular Loupe	2.5x/420mm	J-008.31.453
Kit 11c:	with HR Binocular Loupe	2.5x/520mm	J-008.31.463
Kit 3c:	with HRP Binocular Loupe	3.5x/420mm	J-008.31.454
Kit 4c:	with HRP Binocular Loupe	4x/340mm	J-008.31.456
Kit 5c:	with HRP Binocular Loupe	6x/340mm	J-008.31.457



[03]

ML4 LED HeadLight UNPLUGGED Kits with S-GUARD and Power Source

The following Kits contain: ML4 LED HeadLight on Professional L headband, HR/HRP optics with i-View and S-GUARD, Wall Transformer EN 50 UNPLUGGED [03], 2x mPack UNPLUGGED

Kit 6:	with HR Binocular Loupe	2.5x/340mm	J-008.31.445
Kit 7:	with HR Binocular Loupe	2.5x/420mm	J-008.31.446
Kit 12:	with HR Binocular Loupe	2.5x/520mm	J-008.31.451
Kit 8:	with HRP Binocular Loupe	3.5x/420mm	J-008.31.447
Kit 9:	with HRP Binocular Loupe	4x/340mm	J-008.31.448
Kit 10:	with HRP Binocular Loupe	6x/340mm	J-008.31.449



[03]

ML4 LED HeadLight UNPLUGGED Kits with Power Source without S-GUARD

The following Kits contain: ML4 LED HeadLight on Professional L headband, HR/HRP optics with i-View, Wall Transformer EN 50 UNPLUGGED [03], 2x mPack UNPLUGGED

Kit 6c:	with HR Binocular Loupe	2.5x/340mm	J-008.31.458
Kit 7c:	with HR Binocular Loupe	2.5x/420mm	J-008.31.459
Kit 12c:	with HR Binocular Loupe	2.5x/520mm	J-008.31.464
Kit 8c:	with HRP Binocular Loupe	3.5x/420mm	J-008.31.460
Kit 9c:	with HRP Binocular Loupe	4x/340mm	J-008.31.461
Kit 10c:	with HRP Binocular Loupe	6x/340mm	J-008.31.462

HR/HRP Binocular Loupes – Retrofitting Sets

For HEINE ML4 LED HeadLight



Pos. 1



Pos. 2



[01]

Retrofitting Set HR/HRP Binocular Loupes for ML4 LED HeadLight

The sets enable you to equip your existing ML4 LED HeadLight with a binocular loupe. The set contains HR/HRP optics with i-View and S-GUARD splash protection.

with HR Binocular Loupe	2.5x/340mm	J-000.31.370
with HR Binocular Loupe	2.5x/420mm	J-000.31.371
with HR Binocular Loupe	2.5x/520mm	J-000.31.365
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 Sterilisable Swivel Levers for i-View loupe mount for ML4 LED HeadLight [01]	C-000.32.399
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Power Sources



[01]



[02]



[03]

mPack and plug-in transformer [01]	X-007.99.672
Plug-in transformer for ML4 LED HeadLight [02]	X-095.16.330

mPack with EN 50 Table/Wall Unit (incl. 90° Angled Adaptor, instrument support for Professional L Headband) [03]	X-095.17.302
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Power supplies may deviate in size and shape



**Original
handles.
Original
power sources.
Original
bulbs.
100%
HEINE.**





HEINE BETA®4 Handle Range – Next-generation energy management

- ∴ **One handle for all applications:** A well thought out range combines everybody's needs and all technologies. Choice of power sources from basic alkaline batteries up to latest Li-ion technology.
- ∴ **4 handle options:**
 - BETA drycell handle
 - BETA4 USB rechargeable handle with USB cord and medical approved plug-in power supply
 - BETA4 NT and BETA4 SLIM NT rechargeable handle for NT4 Table Charger
- ∴ **Compatibility during your entire career.** The BETA4 Rechargeable Handles are compatible with all 3.5V XHL and LED HEINE instruments.
- ∴ **Complete freedom of choice:** One basic handle for any situation. Decide between dry-cell or rechargeable; enhanced mobility with USB charging or convenient desk charging in the HEINE NT4 Table Charger.

HEINE BETA® Handle Module



The handle module X-000.99.010, 145 mm x 30 mm dia., is the basis of every BETA handle. By adding the appropriate bottom inserts it is possible to assemble any of the handles shown on this page. A BETA battery handle can also be converted to a rechargeable handle in this way. All BETA handles feature short-circuit protection and a continuous ceramic brightness control.

BETA handle module	X-000.99.010
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HEINE BETA® Battery Handle



BETA Battery Handle	2.5V
BETA battery handle (batteries not included; appropriate batteries: IEC LR14)	X-001.99.118
BETA Bottom insert	X-000.99.119
BETA Belt Clip	X-000.99.008

HEINE BETA® SLIM Battery Handle



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

A compact handle with automatic connector for those who prefer a slim handle. Batteries not included.

BETA SLIM battery handle	2.5V
for 2 alkali-manganese batteries, size AA	X-001.99.105

HEINE BETA® 4 Rechargeable Handles

Next-generation energy management



- ∴ **High-quality metal construction** for strength and durability.
- ∴ **Exclusive Automatic Connector with locking design.** No metal on metal friction which can wear out over time, for a secure fit for the lifetime of your instruments.
- ∴ **Deep Battery Discharge Protection:** Integrated safety system protects your investment by preventing batteries from completely draining; thus ensuring maximum battery life.
- ∴ **Familiar brightness control:** Rheostat for continuous brightness control with power level indicator.
- ∴ **Li-ion technology:** no “memory effect”. Charge your handle how you like without worrying about charge level or battery condition.
- ∴ **Extended ON time:** work typ. 6 weeks between recharging with LED instruments.
- ∴ **Quick charge.**
- ∴ Slightly knurled finish of the handle provides a **non-slip grip but is easy to clean and disinfect.**
- ∴ **Charge Status Indicator** in the bottom insert: the indicator shines orange if the battery needs to be recharged. In the BETA4 USB Handle the indicator blinks green during the charging process and shines permanently green as soon as it is fully charged.

BETA4 NT rechargeable handle for NT4 table charger

- ∴ **Ready-to-use Function.** Handles switch ON & OFF automatically when placed into charger. Set your desired brightness level once and it stays there every time you use your instrument. Also prevents battery damage and premature bulb burn outs if the instruments are accidentally left on.

Not compatible with the NT 300 table charger and the previous generations.



	3.5V Li-ion
Rechargeable handle complete with Li-ion rechargeable battery and BETA4 NT bottom insert	X-007.99.396
BETA4 NT bottom insert	X-002.99.394
Li-ion rechargeable battery for BETA4 rechargeable handle	X-007.99.383
BETA Belt Clip [01]	X-000.99.008

BETA4 USB Li-ion rechargeable handle

- ∴ **Maximum safety.** You can charge your HEINE BETA4 USB handle with any USB plug or other USB power source, with absolute peace of mind. The BETA4 USB handle has an integrated, exclusive Galvanic Separation Module that protects the handle, and the user, even if a faulty or inferior plug is used; thus preventing the possibility of the full mains voltage flowing directly to the handle. We do however recommend the use of a medical approved plug-in power supply.



	3.5V Li-ion
Rechargeable handle complete with Li-ion rechargeable battery, BETA4 USB bottom insert, USB cord with medical approved plug-in power supply and handle rest	X-007.99.388
Li-ion rechargeable battery for BETA4 rechargeable handle	X-007.99.383
BETA4 USB bottom insert	X-002.99.395
USB Cord [01] with E4-USB plug-in power supply [02]	X-000.99.303
E4-USB Medical approved plug-in power supply [02]	X-000.99.305
BETA Belt Clip	X-000.99.008

HEINE BETA®4 SLIM NT Rechargeable Handle



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

A compact handle with automatic connector for those who prefer a slim handle. Rechargeable in NT4 table charger fitted with the small adaptor ring.

BETA4 SLIM NT rechargeable handle	3.5V Li-ion
Rechargeable handle complete with rechargeable battery M3Z 4NT Li-ion and BETA4 SLIM NT bottom insert	X-007.99.474
BETA4 SLIM NT bottom insert	X-000.99.110
Rechargeable battery M3Z 4NT Li-ion	X-007.99.380

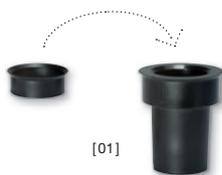
HEINE NT4 Table Charger



Dimensions: Width 142 mm, Height 61 mm, Depth 66 mm.

With the appropriate adaptor set all BETA4 NT and BETA4 SLIM NT rechargeable handles can be charged in the NT4 table charger. The same applies to all Standard F.O.4 NT, F.O.4 SLIM NT and F.O.4 SHORT NT laryngoscope rechargeable handles.

- ∴ **Innovative, compact design.** Practical and space-saving.
- ∴ **Two independent charging wells.** Complete functionality for one or two handles at a time.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Cannot be overcharged.** Charger switches off automatically when the battery is fully charged.
- ∴ **Charge status indicator.** Light pulses from the charging well to confirm the charging mode. Continuous light indicates that the charging process has been completed.



[01]

NT4 table charger	
without handle, with adaptor. For BETA4 NT rechargeable handles, Standard F.O.4 NT and F.O.4 SHORT NT laryngoscope rechargeable handles. BETA4 SLIM NT rechargeable handles and F.O.4 SLIM NT laryngoscope rechargeable handles (Adaptor set required X-000.99.086).	X-002.99.494
Adaptor set (two pieces) for BETA4 SLIM NT rechargeable handles and F.O.4 SLIM NT laryngoscope rechargeable handles [01]	X-000.99.086

- ∴ **Not suitable for rechargeable handles of the previous generations such as BETA L, BETA NT, BETA SLIM and Standard/Small/Short F.O. Laryngoscope Handle.**

HEINE BETA®4 Upgrade Kits

For converting to HEINE BETA4 charging technology

For simple conversion of an older HEINE BETA R rechargeable handle or a BETA TR rechargeable handle (both discontinued) to the current generation of BETA4 USB rechargeable handles featuring modern Li-ion technology.



Upgrade Kit BETA4 USB	3.5V Li-ion
BETA4 USB bottom insert, Li-ion L rechargeable battery, E4-USB plug-in power supply and USB cord, handle rest	X-010.99.388



For simple conversion of a BETA L rechargeable handle to the current BETA4 NT generation of handles.

Upgrade Kit BETA4 NT	3.5V Li-ion
BETA4 NT bottom insert, NT4 table charger	X-010.99.420



For simple conversion of a BETA NT rechargeable handle (with Ni-MH rechargeable battery) to a BETA4 NT rechargeable handle with modern Li-ion technology.

Upgrade Kit BETA4 NT	3.5V Li-ion
BETA4 NT bottom insert, Li-ion L rechargeable battery, NT4 table charger	X-011.99.420



HEINE EN 200 Diagnostic Centre

Modern, energy efficient wall system



[01]

- ∴ **Excellent energy efficiency.** Lower power consumption saves costs and is environmentally-friendly.
 - ∴ **Simultaneous use of handles.** The handles can be operated optimally with LED and/or XHL instruments. Due to the galvanic separation, two doctors can use the devices for examination purposes independently of each other.
 - ∴ **Multiple diagnostic possibilities.** Compatible with all HEINE instruments (LED or XHL) with AV connector.
 - ∴ **Maximum safety for user and patient.** The integrated galvanic separation protects the handles from unwanted electrical interaction.
 - ∴ **Optimal reprocessing.** Flat, space-saving housing without any openings allows optimal hygienic reprocessing. The absence of a mechanical switch reduces the risk of cross-contamination.
 - ∴ **Ready-to-use Function.** Due to cutting-edge technology in the HEINE EN 200 the handle switches on and off automatically when taken off or returned to the unit. Set your brightness level once and it stays there every time you use your instrument. When not in use or when not returned to the unit, the illumination switches off after 15 minutes.
 - ∴ **Connectivity Ready.** The device offers a USB port and can be expanded with HEINE modules such as the EN 200-1.
 - ∴ **Soft Start Technology** protects bulbs in the critical switch-on phase (prevents current surge) and prolongs bulb life.
 - ∴ **Continuous brightness control** between 100% and 3% for both XHL and LED illumination.
 - ∴ **Integrated anti-theft system** by means of a locking screw prevents unauthorised instrument head removal.
- ∴ **The EN 200-1.** As an add-on or if only a single instrument is needed. [01]
For further information, please see page 130.

HEINE EN 200 Diagnostic Centre Set

with GAMMA XXL LF-WB Analogue Sphygmomanometer



EN 200 Diagnostic Centre with GAMMA XXL LF-WB	
GAMMA XXL LF-WB Analogue Sphygmomanometer	
Cuff Basket	
EN 200 Wall Transformer	
BETA 400 LED F.O. Otoscope	
BETA 200 LED Ophthalmoscope	
AllSpec Tip Dispenser	
Wallboard (mounting material included)	A-095.12.950
See above, but with BETA 200 LED F.O. Otoscope	A-095.12.951

HEINE EN 200 Diagnostic Centre Kits



[01]

EN 200 Kits *	3.5V
with EN 200 Wall Transformer, BETA 400 LED F.O. Otoscope, BETA 200 LED Ophthalmoscope [01]	LED A-095.12.218
with EN 200 Wall Transformer, BETA 400 F.O. Otoscope, BETA 200 Ophthalmoscope	XHL A-095.12.214
with EN 200 Wall Transformer, BETA 200 LED F.O. Otoscope, BETA 200 LED Ophthalmoscope	LED A-095.12.219
with EN 200 Wall Transformer, BETA 200 F.O. Otoscope, BETA 200 Ophthalmoscope	XHL A-095.12.215
with EN 200 Wall Transformer, K180 F.O. Otoscope, K180 Ophthalmoscope	XHL A-095.12.220

* without additional accessories

HEINE EN 200-1 Dermatoscope Kit



	LED
DELTA 20T Dermatoscope with contact plate with scale, EN 200-1 Wall Transformer (Single Unit with one handle) as single module with long USB cord and E4-USB plug-in power supply	K-010.28.252



HEINE EN 200 Diagnostic Centre – individual



Put together your individual Diagnostic Centre: The EN 200 Wall Transformer and additional components such as the AllSpec Tip Dispenser and the GAMMA XXL Sphygmomanometer can be combined in a modular system. You can also select the instruments you need (3.5 V XHL or LED version) individually from the HEINE range and customise your Diagnostic Centre to meet your individual requirements.

EN 200 Wall Transformer* [01]	X-095.12.250
EN 200-1 Wall Transformer* (Extension Unit with one handle) for use with the EN 200 Wall Transformer (with short USB cord) [02]	X-095.12.251
EN 200-1 Wall Transformer* (Single Unit with one handle) as single module with long USB cord and E 4-USB plug-in power supply [02]	X-095.12.252
AllSpec Tip Dispenser, for EN 200 [03]	B-000.11.149
GAMMA XXL LF-W Analogue Sphygmomanometer [04]	M-000.09.323
GAMMA XXL LF-WB Analogue Sphygmomanometer (without cuff-holder) [05]	M-000.09.327
Cuff Basket for storing blood pressure cuffs [06]	M-000.09.140
Wallboard as above for device combination EN 200/ Tip Dispenser [07]	X-095.12.006
Wallboard as above for device combination GAMMA XXL LF-W/ EN 200/ Tip Dispenser [08]	X-095.12.007
Wallboard as above for device combination GAMMA XXL LF-WB/ Cuff Basket/ EN 200/ Tip Dispenser [09]	X-095.12.008

* without instruments



HEINE Large Battery Handle



Dimensions: 165 mm x 37 mm dia. Weight: 212g without batteries, 505g with batteries.

A large handle for 2 alkali-manganese batteries IEC LR20/D cells.
Designed for countries where larger batteries are still preferred.
(Only suitable for certain instrument cases.) Batteries not included.

Large battery handle	2.5V
for 2 alkali-manganese batteries, size D	X-001.99.120

HEINE mini 3000® Battery Handle



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

- ∴ **Oval, compact, stylish shape.** Lies ergonomically in the hand.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **Screw-on end cap.** For easy battery change.
- ∴ **Threaded connector made of metal.** Prevents wear.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.
- ∴ **Complete range of mini 3000 instruments.** Versatile range.
- ∴ **Registered Design.**
- ∴ **Rechargeable mini 3000 handle.** The mini 3000 battery handle can be retro-fitted with the mini rechargeable battery 2.5V NiMH and the bottom insert to update to the mini 3000 rechargeable handle. Fully-automatic charging with the mini NT table charger.

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



All non-rechargeable mini handles are fitted with batteries (IEC LR 6 AA size).
mini 3000 handles can be supplied in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

HEINE mini NT charger Set for mini 3000

Compact charging technology



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

mini NT table charger: Width 112 mm, Height 50mm, Depth 52 mm, Weight 404 g.

- ∴ **Innovative, compact design.** Practical and space-saving.
- ∴ **Two independent charging wells.** Complete functionality for one or two handles at a time.
- ∴ **Fast charge feature.** Typ. 4 hours to recharge a mini 3000 NiMH 2.5V rechargeable battery.
- ∴ **Automatic charging.** Independent of the state of charge of the rechargeable battery. Guarantees extended battery life.
- ∴ **Cannot be overcharged.** Charger switches off automatically when the battery is fully charged.
- ∴ **Charge status indicator.** Light pulses from the charging well to confirm the charging mode. Continuous light indicates that the charging process has been completed.
- ∴ **No memory effect.** Full power at any time without loss of capacity.

Please note: Suitable only for mini 3000 2.5V NiMH rechargeable battery.



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



mini NT charger set for 2 mini 3000 handles	
With this set, existing mini 3000 handles can be updated to the 2.5V rechargeable system. It contains:	
mini NT table charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485



*HEINE 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 CC1 charging case for OMEGA 600



The CC1 charging case allows you to charge a second battery while you continue working with your instrument. Charging time typ. 1.5 hours.

NEW! CC1 charging case

X-000.99.091

HEINE CB1 charging battery for OMEGA 600



The CB1 charging battery for OMEGA 600 is a compact, lightweight lithium polymer battery. It has an operating time of up to 8 hours depending on illumination intensity. An extra battery offers you even more flexibility as you can charge one battery while you continue working with your instrument. Can be charged separately from the OMEGA 600 in the CC1 charging case.

NEW! CB1 charging battery

X-007.99.687

HEINE OMEGA 600 charging set



The OMEGA 600 charging set **includes a CC1 charging case and CB1 charging battery**. This set offers you even more flexibility as you can charge the second battery while you continue working with your instrument.

NEW! OMEGA 600 charging set: CC1 charging case and CB1 charging battery

X-000.99.090

HEINE E4-USBC power supply for OMEGA 600

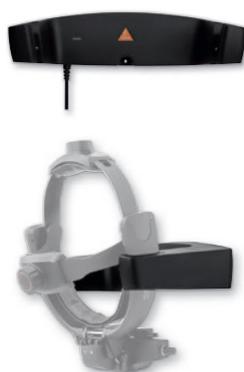


Easy plug-in power supply with USB-C cable for charging the OMEGA 600. Approved for medical use.

NEW! E4-USBC power supply with cable

X-000.99.300

HEINE CW1 wall charger for OMEGA 600



The CW1 wall charger offers a convenient charging possibility between examinations to make sure your OMEGA 600 is always charged and ready to use when you need it. The design of the charger protects the OMEGA 600 from accidental fall.

- ∴ The OMEGA 600 can be charged directly at the CW1 wall charger with the Breath Shield on.
- ∴ Automatic switch-off of the OMEGA 600 in the wall charger.
- ∴ Charging time typ. 1.5 hours.

NEW! CW1 wallcharger (without OMEGA 600)

X-095.17.320



Plug-in transformer for the HEINE ML4 LED/OMEGA® 500



Powerful electric supply unit for the ML4 LED HeadLight/OMEGA 500 (System voltage 6V).

Plug-in transformer for ML4 LED HeadLight/OMEGA 500	X-095.16.330
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HEINE HC 50L Headband Rheostat

Fingertip Illumination Control for OMEGA 500/UNPLUGGED



[01]

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

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



[02]

Plug-in transformer for HC 50L Headband Rheostat [02]	X-095.16.330
Connecting Cord Cinch to EN 50 charger/mPack/plug-in transformer for HC 50L, 1,6m [03]	X-000.99.667



[03]

Wall Transformer HEINE EN 50 UNPLUGGED

Intelligent charger for mPack UNPLUGGED



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

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

Headband-mounted rechargeable battery



Rechargeable battery for OMEGA 500 Indirect Binocular Ophthalmoscope UNPLUGGED and ML4 LED HeadLight UNPLUGGED (System voltage 6V).



[01]

- ⌘ **Lightweight with balanced weight distribution.** High level of comfort.
- ⌘ **Charge status indicator.** 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:** typ. 2 hours.
- ⌘ **Operating time:** typ. 3.5 hours for ML4 LED HeadLight, typ. 2 hours for OMEGA 500 UNPLUGGED, typ. 8 hours for OMEGA 500 UNPLUGGED with LED.
- ⌘ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit).
- ⌘ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology. UL-compliant.
- ⌘ **Registered Design.**



[02]



mPack UNPLUGGED	
mPack UNPLUGGED	X-007.99.665
Transformer UNPLUGGED for mPack UNPLUGGED [01]	X-095.16.316
Lithium-Polymer rechargeable battery for mPack UNPLUGGED	X-007.99.680
Extension Cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2m [02]	X-000.99.668



HEINE mPack

Portable Power Pack for OMEGA 500 and ML4 HeadLight



[01]



[02]



[03]

- ∴ **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 typ. 2 hours.
- ∴ **Charge status indicator.** Always lets you know how much operating charge you have left.
- ∴ **Operating time:** typ. 8.5 hours for ML4 LED HeadLight, typ. 4 hours for OMEGA 500, typ. 13 hours for OMEGA 500 with LED.
- ∴ **Flexible Charging Options.** Charge in the EN 50 Charger base station, or with mobile plug-in transformer.
- ∴ **Intelligent.** Automatically switches to “charge” mode when inserted in EN 50. Can also be used as mains power supply even while in “charge” mode.
- ∴ **Automatic remote power adjustment** for compatibility with all HEINE 6V and selected LED instruments.
- ∴ **Stepless light intensity control 0.5 – 100 %.** Optimum brightness setting prevents reflexes.
- ∴ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.

mPack	6V
EN 50-m Charger Wall/Table Unit with mPack , (incl. 90° Angled Adaptor, Instrument support for Professional L Headband [01])	X-095.17.302
mPack with Li-ion rechargeable battery and plug-in transformer	X-007.99.672
mPack with Li-ion rechargeable battery, without transformer	X-007.99.671
Li-ion rechargeable battery for mPack	X-007.99.686
Plug-in transformer for mPack [02]	X-095.16.315
Plug-in 90° Angled Adaptor (for EN 50 Charger/mPack) [03]	C-000.33.509

Wall-/Table-Transformer HEINE EN 50

Modular Power Supply System/charger



[02]



[01]



[03]



[04]

The HEINE Modular Power Supply System offers unsurpassed flexibility and innovative features. The EN 50 powers OMEGA 500 and ML4 LED HeadLight. Furthermore, all other HEINE 6V products are compatible. The EN 50 Charger, the mPack and HC 50L 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.
- ∴ **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.**

EN 50 Charger	6V
EN 50 Transformer table/wall unit with Rheostat Control Module (incl. 90° Angled Adaptor, Extension Cord Cinch-Cinch 2 m, Instrument support) [01]	X-095.17.301
Rheostat Control Module for EN 50 [02]	X-095.17.305
EN 50 Base unit (without Rheostat Control Module) [03]	X-095.17.300
Plug-in 90° Angled Adaptor (for EN 50/mPack without instrument support) [04]	C-000.33.509
Instrument support for Headband	C-000.33.511

HEINE mPack mini

Power source for LoupeLight2/MicroLight2 and SIGMA 250



- ∴ **Freedom from cables** that tie the user to desk, wall or static power supplies.
- ∴ **Operating time LoupeLight2/MicroLight2:** Typ. 9 hours in everyday practical use. In continuous operation at full power typ. 4 hours.
- ∴ **Operating time SIGMA 250:** Typ. 11 hours in continuous operation at maximum power.
- ∴ **Charging time typ. 4 hours.**
- ∴ **Charge status indicator.** Display of remaining battery power with three LEDs. The flashing of the last LED indicates that immediate charging is required. During charging the LEDs light up one after the other.
- ∴ **Stepless light intensity control.** Optimum brightness setting between 100% and 3% reduces reflexes.
- ∴ **USB cord** with E4-USB Medical approved plug-in power supply.
- ∴ **The integrated galvanic separation module** protects the battery and the user against the consequences of defective power supplies, thus preventing the possibility of the full mains voltage flowing directly to the housing. We recommend the use of a medical approved plug-in power supply.
- ∴ **Simple cleaning.** Closed housing, no seams at the sides, few edges.
- ∴ **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed.
- ∴ **Optimised mPack mini belt clip** for simple attachment of the power source to the belt or waistband. The mPack mini can also be charged in the belt clip [01].
- ∴ **Li-ion technology.** No „memory effect“, without worrying about charge level or battery condition.
- ∴ **Integrated rechargeable battery.** Can be exchanged at authorised specialist dealers.

mPack mini	6V
mPack mini with Li-ion rechargeable battery and E4-USB plug-in transformer	X-007.99.650
mPack mini with Li-ion rechargeable battery, without E4-USB plug-in transformer	X-007.99.649
mPack mini Belt Clip [02]	X-000.99.006
USB cord [03] with E4-USB plug-in transformer [04]	X-000.99.303
E4-USB Medical approved plug-in power supply for USB cord [04]	X-000.99.305





Each HEINE bulb is specifically designed as an integral part of the HEINE instrument it powers, based upon the following parameters:

Colour Temperature:

Based on advanced HEINE XHL Xenon Halogen Technology, each bulb is designed to provide the ideal colour temperature for the diagnosis the instrument is intended for. This ensures a proper balance between illumination brightness and true tissue colour for the most accurate diagnosis.

Bulb Life:

HEINE bulbs last up to 50 % longer compared with conventional bulbs, providing long life, optimum performance and cost-effectiveness.

Safety:

Advanced design and manufacturing procedures prevent dangerous bulb implosions.

Optical Performance:

The performance of each HEINE optical instrument depends on the bulb that powers it. Lenses built into the glass bulb envelope, precision filament placement and homogeneous light projection are major factors in ensuring the satisfactory performance of your HEINE instrument. We can only guarantee the performance and safety of your instrument if the appropriate HEINE bulb powers it. If a non-original copy of a HEINE bulb is used, the safety and performance of the HEINE instrument will be compromised and the manufacturer's guarantee will no longer be valid.

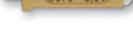
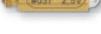
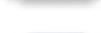
All XHL Xenon Halogen bulbs are now available singly in individual blister packs.

Insist on genuine HEINE replacement bulbs and parts to ensure the correct performance of your HEINE precision instrument.

HEINE XHL® Xenon Halogen Bulbs

For optimum performance and cost-effectiveness

GENERAL MEDICINE AND ENT INSTRUMENTS

	Otosopes	2.5V	3.5V
	alpha* Otoscope	X-001.88.037	
	alpha+* F.O. Otoscope	X-001.88.037	X-002.88.049
	BETA 100* Otoscope	X-001.88.037	X-002.88.049
	BETA 200 Otoscope	X-001.88.077	X-002.88.078
	BETA 400 Otoscope	X-001.88.077	X-002.88.078
	K100* Otoscope	X-001.88.037	X-002.88.049
	K180 Otoscope	X-001.88.077	X-002.88.078
	mini 2000* F.O. Otoscope	X-001.88.037	
	mini 2000* Otoscope	X-001.88.056	
	mini 3000 F.O. Otoscope	X-001.88.105	
	mini 3000 Otoscope	X-001.88.110	
	minilux* Otoscope	X-001.88.056	
ENT Instruments		2.5V	3.5V
	alpha* Tongue blade holder	X-001.88.037	
	alpha+* Tongue blade holder	X-001.88.037	X-002.88.049
	Curved Laryngeal Mirror*	X-001.88.037	X-002.88.062
	Straight Laryngeal Mirror*	X-001.88.057	X-002.88.063
	mini 3000 Tongue blade holder	X-001.88.037	

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs



HNO Instruments	2.5V	3.5V
mini* Tongue blade holder	X-001.88.037	
Tongue blade holder (BETA)	X-001.88.037	X-002.88.049
Cliplights and Combi Lamps	2.5V	3.5V
HEINE Cliplight*	X-001.88.094	
mini 2000* Clip Lamp, mini 1000* Clip Lamp	X-001.88.041	
mini 2000* Combi Lamp	X-001.88.041	
mini 3000 Clip Lamp	X-001.88.107	
mini 3000 Laryngeal Mirror*	X-001.88.057	
mini 3000 Combi Lamp	X-001.88.107	
mini* Fibrilux	X-001.88.041	
mini-c* Clip Lamp	X-001.88.108	

OPHTHALMIC INSTRUMENTS



Direct Ophthalmoscopes	2.5V	3.5V
alpha* Ophthalmoscope	X-001.88.042	
alpha+* Ophthalmoscope	X-001.88.042	X-002.88.101
AUTOFOC*	X-001.88.032	X-002.88.047
BETA 200 M2 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA 200 Ophthalmoscope	X-001.88.069	X-002.88.070
BETA 200S Ophthalmoscope	X-001.88.069	X-002.88.070
K180 Ophthalmoscope	X-001.88.084	X-002.88.086
mini 2000* Ophthalmoscope	X-001.88.042	
mini 3000 Ophthalmoscope	X-001.88.106	
mini Miroflex*	X-001.88.042	
Miroflex* Ophthalmoscope	X-001.88.038	X-002.88.046

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs

	Retinoscopes	2.5V	3.5V
	alpha+* Spot Retinoscope	X-001.88.088	X-002.88.090
	alpha+* Streak Retinoscope	X-001.88.087	X-002.88.089
	BETA 200 Spot Retinoscope	X-001.88.088	X-002.88.090
	BETA 200 Streak Retinoscope	X-001.88.087	X-002.88.089
	HFR2* Spot Retinoscope	X-001.88.038	X-002.88.046
	HSR2* Retinoscope	X-001.88.058	X-002.88.048
	Other hand-held ophthalmic instruments	2.5V	3.5V
	alpha* Focalux	X-001.88.042	
	alpha* Ophthalmic Examination Light	X-001.88.043	X-002.88.102
	alpha+* Finoff	X-001.88.035	X-002.88.044
	alpha+* Focalux	X-001.88.042	X-002.88.101
	alpha+* HSL 150 Hand-held Slit Lamp	X-001.88.098	X-002.88.099
	alpha+* Ophthalmic Examination Light	X-001.88.043	X-002.88.102
	Focalux*	X-001.88.039	X-002.88.091
	Glaucotest*	X-001.88.035	X-002.88.044
	HSL 100* Hand-held Slit Lamp	X-001.88.098	X-002.88.099
	HSL 150 Hand-held Slit Lamp	X-001.88.098	X-002.88.099
	LAMBDA 100 Retinometer	X-001.88.077	X-002.88.078
	mini 2000* Focalux	X-001.88.042	
	mini 3000* Focalux	X-001.88.042	
	Ophthalmic Examination Lamp	X-001.88.032	X-002.88.047
	Finoff Transilluminator	X-001.88.077	X-002.88.078

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs

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

VET INSTRUMENTS

	VET INSTRUMENTS	
	2.5V	3.5V
	BETA 100 VET* Otoscope	X-001.88.037 X-002.88.049
	BETA 200 VET Otoscope	X-001.88.077 X-002.88.078
	Slit Illumination Head	X-001.88.077 X-002.88.078
	Operating Otoscope*	X-001.88.037 X-002.88.049

LARYNGOSCOPES

	LARYNGOSCOPES	
	2.5V	3.5V
	F.O. Laryngoscope Handle	X-001.88.035 X-002.88.044
	Angled F.O. Laryngoscope Handle*	X-001.88.035 X-002.88.044
	F.O. SP Laryngoscope Lamp Handle*	X-001.88.035
	Conventional Laryngoscope Blades*	X-001.88.059

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs

DERMATOSCOPES AND ILLUMINATED LOUPES



Dermatoscopes	2.5V	3.5V
alpha+* Dermatoscope	X-001.88.034	X-002.88.053
DERMAPHOT* 2,2V vacuum bulb	X-000.88.082	
DELTA 10* Dermatoscope	X-001.88.038	X-002.88.046
mini 2000* Dermatoscope	X-001.88.034	
mini 3000 Dermatoscope	X-001.88.109	
Illuminated loupes	2.5V	3.5V
alpha+* Illuminated Loupe 5x, 8x	X-001.88.034	X-002.88.053
Illuminated Loupe* 5x, 8x (BETA)	X-001.88.038	X-002.88.046

PROCTOLOGICAL INSTRUMENTS



	2.5V	3.5V
Illumination Adaptor for F.O. Instruments		X-002.88.078
Proctoscope Head for proximal illumination*	X-001.88.040	X-002.88.051
Anoscope/Proctoscope Illumination Head*	X-001.88.040	X-002.88.051
Illumination Head for Spreadable Anal Speculum*	X-001.88.035	X-002.88.044
		6V
Lamp Handle*		X-004.88.060

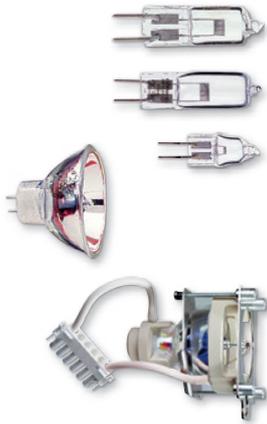
EXAMINATION LIGHTS



Headlights		6V
SL 350* Headlight		X-004.88.068
UBL 100* spectacle-mounted illuminator for Binocular Loupes		X-004.88.080
Examination lights		12V
HL 1200*, 20W halogen bulb		J-005.27.075
HL 5000*, 50W halogen bulb		J-005.27.111

* instrument no longer available

HEINE Projector Bulbs



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

* projector no longer available



How to
bring
STRUCTURE
to your
LIFE.



HEINE Cases

 [01]	Soft pouch for otoscopes / ophthalmoscopes (60mm x 230mm x 40mm) [01]	A-180.01.000
 [02]	Zipper pouch for otoscopes (110mm x 200mm x 30mm) [02]	B-237.00.000
 [03]	Case for Binocular Loupe Sets (270mm x 230mm x 85mm) [03]	C-000.32.552
 [04]	Case for LoupeLight2 / MicroLight2 on S-FRAME and SIGMA 250 (270mm x 270mm x 150mm) [04]	C-000.32.553
 [05]	Case for MicroLight2 on Headband (270mm x 270mm x 150mm) [05]	C-000.32.554
 [06]	Hard case for Ophthalmic Diagnostic Sets C-034 (185mm x 116mm x 50mm) [06]	C-034.00.000
 [07]	Hard case for Indirect Ophthalmoscope Sets C-283 and C-284 (470mm x 400mm x 190mm) [07]	C-079.00.000
 [08]	Combi-case for Indirect Ophthalmoscope Sets C-283 and C-284 (432mm x 330mm x 197mm) [08]	C-079.03.000

HEINE Cases



[09]

Hard case for Ophthalmic Diagnostic Sets C-261 and C-144
(185 mm x 116 mm x 50 mm) [09]

C-144.06.000



[10]

Hard case for Ophthalmic Diagnostic Sets C-262 and C-145
(235 mm x 135 mm x 50 mm) [10]

C-145.00.000



[11]

NEW! OMEGA 600 traveller bag [11]
(can be worn over the shoulder or as a backpack.)

C-080.00.000



[12]

Hard case for LAMBDA 100 Retinometer Set
(235 mm x 135 mm x 50 mm) [12]

C-187.06.000



[13]

Soft pouch for mini (95 mm x 185 mm x 35 mm) [13]

D-861.00.000



[14]

Zipper case for mini 3000 Dermatoscope
(205 mm x 95 mm x 55 mm) [14]

D-887.00.000



[15]

Zipper case for laryngoscopes (170 mm x 280 mm x 50 mm) [15]

F-179.00.000



[16]

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230
(265 mm x 225 mm x 50 mm) [16]

F-227.01.000

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All HEINE products carry a 5 year parts and labor guarantee against defects in design, materials and workmanship.* Excluded from this are wear and tear, single-use items and consumables as well as rechargeable batteries and exposed and accessible control and supply cables with corresponding plug connection.



For details please visit www.heine.com.

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HEINE Fibre Optic Laryngoscopes. HEINE Classic+ F.O. laryngoscope blades have an extended guarantee of 10 years on the faultlessness from material, processing and construction defects, for blades manufactured on or after 01/01/2020 or with serial number SN1105228000 or higher.

The 10-year guarantee ensures that output will not fall below 1,000 lux, even after repeated autoclave cycles (based on 4,000 cycles at 134 °C/4 min.)

The guarantee covers HEINE Classic+ laryngoscope blades which are cleaned, disinfected and/or sterilised in accordance with the instructions for reprocessing.

HEINE Classic+ F.O. laryngoscope blades manufactured prior to 01/01/2020 and FlexTip+ blades are subject to the same guarantee conditions provided above, with a 5-year guarantee period.

HEINE GAMMA G-Series. HEINE GAMMA G7 and HEINE GAMMA XXL LF Sphygmomanometers carry an extended guarantee of 10 years for the faultlessness from material, processing and construction defects. Wear parts and metrological control are not included.

***HEINE Cube.** For the Cube HEINE grants a guarantee of 2 years.

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AllSpec
BETA
DELTA
FlexTip
GAMMA
HEINE
HEINE AllSpec
HEINE BETA
HEINE Easyclean
HEINE EL 10 LED
HEINE OMEGA
HEINE SIGMA
HEINE XHL
HEINE XHL Halogen
mini 3000
OMEGA
ParaStop
SANALON
SIGMA
UniSpec
XHL

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BETA 400
EN 50/mPack
EN 50 UNPLUGGED
GAMMA G
i-View
LED Laryngoscope Handle
LoupeLight2
mini NT
mini 2Z Battery
mini 3000 Battery Handle
mPack UNPLUGGED
SIGMA 250
Stepless dimming
XP Handle Shell

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We look forward to hearing from you – and would like to know more about your opinions, desires and suggestions regarding our products.



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