



**HEINE** MASTER CATALOGUE

**2021**





**NEWS** for

**2021**

**PREPARE**

yourself for

**SOMETHING**

**BIG!**



# 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.**





## DISCOVER MORE. WITH LESS WEIGHT.

### 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 LED<sup>HQ</sup> – 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



[01]



[02]



[03]



[04]



[05]



[06]



[07]

∴ For availability in your region, contact your Area Sales Manager.

Ordering information	Art.-No.
<b>OMEGA 600</b> Indirect Ophthalmoscope (with battery and eyepiece +2D), E4-USBC, eyepiece 0D* [01]	C-008.33.610
<b>CC1</b> charging case [02]	X-000.99.091
<b>CB1</b> charging battery [03]	X-007.99.687
<b>E4-USBC</b> power supply with cable [04]	X-000.99.300
<b>CW1</b> wall charger [05]	X-095.17.320
<b>TM1</b> teaching mirror with case [06]	C-000.33.211
<b>OMEGA 600</b> traveller bag [07]	C-080.00.000
<b>OMEGA 600 WALL CHARGER SET:</b> Indirect Ophthalmoscope (with battery and eyepiece +2D), E4-USBC, eyepiece 0D*, CW1 wall charger	C-008.33.612
<b>OMEGA 600 TRAVELLER SET:</b> Indirect Ophthalmoscope (with battery and eyepiece +2D), E4-USBC, eyepiece 0D*, traveller bag	C-008.33.613
<b>OMEGA 600 STUDENT SET:</b> Indirect Ophthalmoscope (with battery and eyepiece +2D), E4-USBC, eyepiece 0D*, TM1 teaching mirror with case, traveller bag	C-008.33.614
<b>OMEGA 600 CHARGING SET:</b> CC1 charging case, CB1 charging battery	X-000.99.090

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

**For a**

**CLEAR VIEW**

**during**

**EXAMINA-**

**TIONS.**

## BREATH SHIELDS FOR THE HEINE OMEGA 600 AND OMEGA 500

The Breath Shields are designed to fit the HEINE OMEGA 600 and OMEGA 500 Indirect Ophthalmoscopes and to cover the mouth, nose and chin area.

- ∴ Undisturbed, clear vision for the diagnosis. The Breath Shield doesn't cover the optics, thanks to a special recess in this area.
- ∴ Lightweight, rigid material for a comfortable fit.
- ∴ Easy to attach to the instruments [02] [05].
- ∴ Comfortable working – the nose doesn't touch the Breath Shield. All the controls and levers on the ophthalmoscope are freely accessible.
- ∴ Both the OMEGA 600 and the OMEGA 500 can be charged directly at the corresponding wall chargers (OMEGA 600 CW1 wall charger or EN 50 UNPLUGGED) with the Breath Shield on [03] [06].
- ∴ Breath Shields are consumables.
- ∴ Please order the Breath Shields matching the corresponding instrument. The OMEGA 500 Breath Shield is not compatible with the OMEGA 600 ophthalmoscope.

∴ For availability in your region, contact your Area Sales Manager.

Ordering information	Art.-No.
HEINE OMEGA 600 Breath Shield – 1x Breath Shield [01]	C-000.33.018
HEINE OMEGA 600 Breath Shield – 3x Breath Shield	C-000.33.019
HEINE OMEGA 500 Breath Shield – 1x Breath Shield + 1x mounting clip [04]	C-000.33.016
HEINE OMEGA 500 Breath Shield – 3x Breath Shield + 1x mounting clip	C-000.33.017

Breath Shield for OMEGA 600



[01]



[02]



[03]

Breath Shield for OMEGA 500



[04]



[05]



[06]

**The NEW,  
world-exclusive  
10-YEAR  
GUARANTEE  
for our Classic+  
laryngoscope blades**



## THE QUALITY OF HEINE BLADES IS WELL WORTH THE PRICE.

From now on, we're offering a world-exclusive 10-year guarantee on our HEINE Classic+ F.O. blade.

Why? To put it simply, because we know just how much quality and care goes into making our blades, and assume that they'll last an average of 12 years. Having said that, we know of numerous practical cases where HEINE blades are still functioning flawlessly even after 15 or 20 years and numerous autoclave cycles.

All HEINE blades are made exclusively in Germany by highly qualified industrial professionals. The secret of their success is a combination of skilled manual work and computer-controlled milling machines. What's more, HEINE blades turn out to be more affordable than cheap lookalike blades in less than three years. And they beat single-use blades for affordability within the first year.

## THE NEW, CLEARLY VISIBLE MARKING ON THE HEINE CLASSIC+ BLADES.

'Quick! Hand me that Mac 3!' Sometimes, intubation requires practitioners to act swiftly. And, when that's the case, mistakes must be avoided at all costs. The new label on our Classic+ blades is eye-catching and easy to read – even through the film packaging. This makes reaching for the right blade even easier.

It's a superb suggestion that was made by examiners who use our products – and one that we gladly implemented. This shows how we are still striving to improve even after 60 years of developing outstanding products.\* All you have to do is listen carefully when you talk to your customers.

These are just 2 of 27 good reasons to trust the quality of HEINE blades.  
**All 27 are listed in the Book of Truth at [www.heine.com/BoT](http://www.heine.com/BoT)**

\*The ordering information remains the same. The order numbers and combinations of the sets can be found in the catalogue on pages 79 – 80 and 87.



## HEINE mini-c HAND-HELD EXAMINATION LIGHT

Robust, durable examination light in a compact pocket size.  
Bright, concentrated light – now with unique LED<sup>HQ</sup> as a new feature.

- Safe examination of the eyes due to tested photobiological safety.
- Stable attachment clip with integrated on/off switch.  
Switches off automatically when replaced in the pocket. 20,000 switch cycles guaranteed.
- Replaceable batteries (size: AAA).

• For availability in your region, contact your Area Sales Manager.

Ordering information	Art.-No.
HEINE mini-c hand-held examination light with batteries	D-008.73.109



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**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.





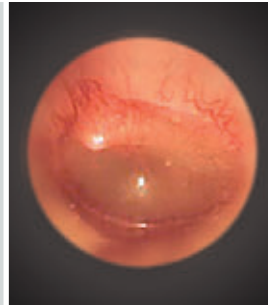
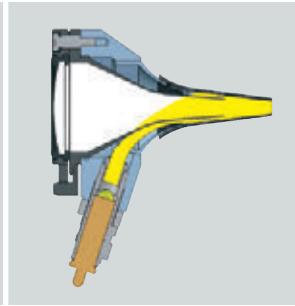
HEINE Otoscopes



	BETA 400 F.O.	BETA 200 F.O.	K180 F.O.	mini 3000 F.O.	BETA 100	K100	mini 3000
Housing construction	Metal	Metal	Poly-carbonate	Poly-carbonate	Metal	Poly-carbonate	Poly-carbonate
Viewing window	Glass	Glass	Acrylic	Acrylic	Glass	Acrylic	Acrylic
Magnification	4.2x	3x	3x	3x	3x	3x	3x
Illumination	F.O. XHL or LED <sup>HQ</sup>	F.O. XHL or LED <sup>HQ</sup>	F.O. XHL	F.O. XHL or LED <sup>HQ</sup>	Direct XHL	Direct XHL	Direct XHL
Instrument size	Professional	Professional	Professional	Compact	Professional	Professional	Compact
Handle options / power sources	<ul style="list-style-type: none"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>
Tips / Specula	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips with tip adaptor</li> <li>• UniSpec disposable specula</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips with tip adaptor</li> <li>• UniSpec disposable specula</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable tips</li> <li>• AllSpec disposable tips</li> </ul>
Pneumatic testing of tympanum mobility	Insufflation port available	Insufflation port available	Insufflation port available	Insufflation port available, Insufflation port required	Insufflation port available	Insufflation port available	–
Catalogue page	011	013	015	016	020	022	023



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



## HEINE BETA® 400 LED F.O. Otoscope

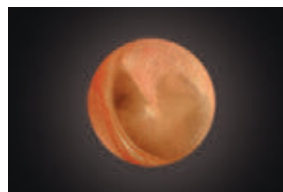
### 4.2x magnification with LED<sup>HQ</sup> illumination

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.

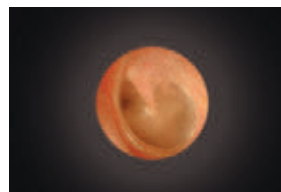


The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- ⋮ **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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ⋮ **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 019.
- ⋮ **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<sup>HQ</sup> 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>B-143.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-143.27.388</b>	<b>B-143.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-143.23.420</b>	<b>B-143.24.420</b>



Without case

**NEW! 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>B-010.10.118</b>	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-010.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-010.24.420</b>



**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	<b>A-153.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-153.27.388</b>	<b>A-153.28.388</b>

**Also available as a kit with EN 200 Wall Transformer (page 145)**



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	<b>A-153.23.422</b>	<b>A-153.24.422</b>

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



## HEINE BETA® 200 LED F.O. Otoloscope

Sharpest images, perfect colour rendering and brightness in LED<sup>HQ</sup>LED<sup>HQ</sup>  
LED NOW 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
  - ∴ **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 019.
  - ∴ **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<sup>HQ</sup> 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>B-141.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-141.27.388</b>	<b>B-141.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-141.23.420</b>	<b>B-141.24.420</b>

**NEW!** 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>B-011.10.118</b>	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-011.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-011.24.420</b>



HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED<sup>HQ</sup> 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	<b>A-132.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-132.27.388</b>	<b>A-132.28.388</b>

**Also available as a kit with EN 200 Wall Transformer (page 145)**



Without case

**Kit 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.

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

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



### 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 019.

### 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>B-181.10.118</b>	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>B-181.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-181.23.420</b>



Without case

**NEW!**

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

**Also available as a kit with EN 200 Wall Transformer (page 145)**

**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	<b>A-279.10.118</b>	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-279.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>A-279.23.420</b>

∴ For further information on the HEINE K180 Ophthalmoscope, please see page 048.





## HEINE mini 3000® F.O. Otoscope

### Compact pocket otoscope with XHL or LED<sup>HQ</sup> 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 019.
- ∴ **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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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 148.



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 Ophthalmoscope,**

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 Ophthalmoscope,**

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

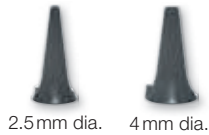
	2.5V XHL	2.5V LED
2 mini 3000 rechargeable handles and mini NT table charger	D-859.11.022*	D-860.11.022*

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

∴ For further information on the HEINE mini 3000 Ophthalmoscope, please see page 050.



## HEINE AllSpec® Disposable Tips



- ∴ 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. 2.5mm dia. (infants) [01]	B-000.11.128
Pack of 1000 pcs. 4 mm dia. (adults) [01]	B-000.11.127
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 (2x 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)	1 piece	50 pieces
for BETA 400, BETA 200, K180, mini 3000 F.O., mini 3000 Otoscopes		
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**



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



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



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



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

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



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



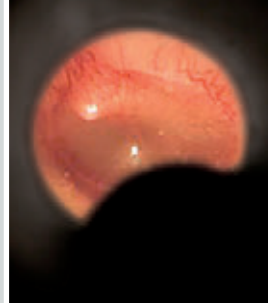
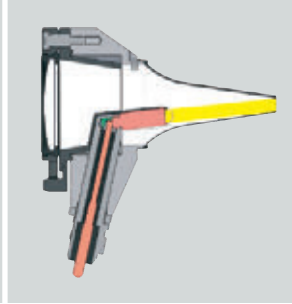
<b>Spare bulb for mini 3000 F.O.</b>	2.5V XHL
XHL Xenon Halogen spare bulb	<b>X-001.88.105</b>



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



Bright XHL Xenon Halogen direct illumination.



HEINE BETA® 100 Diagnostic Otoscope

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



An otoscope with direct Xenon Halogen illumination in an elegant all-metal instrument head. For use with reusable specula or UniSpec disposable specula. With tip-adaptor it is also possible to use AllSpec disposable tips.

- ∴ **All-metal housing.** Exceptionally tough and durable.
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large, scratch-resistant glass viewing window with 3x magnification.** Very sharp, 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 025.

HEINE BETA 100 Diagnostic Sets



**Set includes: BETA 100 Diagnostic Otoscope,**

1 set (6 pcs.) of reusable specula, 10 UniSpec disposable specula, 4 mm dia., spare bulb, hard case.

	2.5V XHL	3.5V XHL
BETA battery handle	<b>B-236.10.118</b>	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>B-236.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-236.23.420</b>



HEINE BETA 100 Diagnostic Sets/Kits



Without case

**NEW! Kit includes: BETA 100 Diagnostic Oscope,**  
10 UniSpec disposable specula, 4 mm dia.

	2.5V XHL	3.5V XHL
BETA battery handle	<b>B-013.10.118</b>	
BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>B-013.27.388</b>



**Set includes: BETA 100 Diagnostic Oscope (XHL), BETA 200 Ophthalmoscope (XHL or LED),** 1 set (6 pcs.) of reusable specula, 10 UniSpec disposable specula, 4 mm dia., one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	3.5V XHL/LED*
BETA battery handle	<b>A-234.10.118</b>		
BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>A-234.27.388</b>	<b>A-234.25.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>A-234.23.420</b>	<b>A-234.25.420</b>

\*BETA 100 Oscope with XHL illumination and BETA 200 LED Ophthalmoscope with LED illumination.

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



## HEINE K100 Diagnostic Otoscope

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



A very cost-effective diagnostic otoscope with direct Xenon Halogen illumination. The head is moulded in high-impact polycarbonate. For use with reusable specula or UniSpec disposable specula. With tip-adaptor it is also possible to use AllSpec disposable tips.

- ∴ **Polycarbonate construction.** Shock-resistant.
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large acrylic viewing window with 3x magnification.** Sharply-focused distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility. See order information accessories on page 025.

## HEINE K100 Diagnostic Sets/Kits



**Set includes: K100 Diagnostic Otoloscope,**  
1 set (6 pcs.) of reusable specula, spare bulb, soft pouch.

	2.5V XHL
BETA battery handle	<b>B-237.10.118</b>



**Set includes: K100 Diagnostic Otoloscope,** 3 reusable specula, soft pouch.

	2.5V XHL	3.5V XHL
BETA battery handle	<b>B-245.10.118</b>	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>B-245.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-245.23.420</b>

**NEW!**

<b>K100 Diagnostic Otoloscope with</b>	2.5V XHL
BETA battery handle	<b>B-014.10.118</b>

Without soft pouch



## 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 148.

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]



[02]

Without case

**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]	<b>D-851.20.021</b>
★ mini 3000 battery handle with batteries, without case [02]	<b>D-001.70.220</b>
mini 3000 battery handle with batteries, without case, without reusable tips	<b>D-001.70.210</b>

**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	<b>D-873.21.021</b>

- ∴ **For further information on the HEINE mini 3000 Ophthalmoscope, please see page 050.**





## HEINE UniSpec® Disposable Specula



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

### UniSpec Disposable Specula (grey) for BETA 100 and K100

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

⊗: Single use only.

## Reusable Specula



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

### Reusable Specula (black) for BETA 100 and K100

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



Further articles / Accessories

**HEINE Otoscopes**



<b>BETA 100 Otoscope Head</b>	2.5V XHL	3.5V XHL
with 6 reusable specula, without handle	<b>B-001.11.527</b>	<b>B-002.11.527</b>
without handle and without accessories	<b>B-001.11.525</b>	<b>B-002.11.525</b>



<b>K100 Otoscope Head</b>	2.5V XHL	3.5V XHL
with 3 reusable specula, without handle	<b>B-001.11.576</b>	<b>B-002.11.576</b>
without handle and without accessories	<b>B-001.11.575</b>	<b>B-002.11.575</b>



<b>mini 3000 Otoscope Head</b>	2.5V XHL	
without handle and without accessories *		<b>D-001.70.206</b>

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



<b>Spare bulb for BETA 100 and K100</b>	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	<b>X-001.88.037</b>	<b>X-002.88.049</b>



<b>Replacement aperture cover for BETA 100 and K100</b>		
Aperture cover for bulb, reduces reflexes		<b>B-000.11.212</b>



<b>Spare bulb for mini 3000</b>	2.5V XHL	
XHL Xenon Halogen spare bulb		<b>X-001.88.110</b>



<b>Tip Adaptor for BETA 100 and K100</b>		
Adaptor for AllSpec disposable tips (p. 018) for use with diagnostic otoscope (BETA 100, K100)		<b>B-000.11.306</b>



<b>Insufflation bulb for BETA 100 and K100</b>		
Insufflation bulb for pneumatic testing		<b>B-000.11.240</b>

## 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>B-015.10.118</b>	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>B-015.27.388</b>
BETA4 NT rechargeable handle (without NT4 table charger)		<b>B-015.23.396</b>

## 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>B-016.10.118</b>	
★ BETA4 USB rechargeable handle with USB Cord and plug-in power supply		<b>B-016.27.388</b>
BETA4 NT rechargeable handle (without NT4 table charger)		<b>B-016.23.396</b>

## 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	<b>D-001.74.118</b>

\* 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**



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



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



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



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



<b>Replacement light-guide for Tongue-Blade Holder</b>		
Light-guide for bulb		<b>B-000.12.308</b>



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



<b>Disposable plastic tongue-blades</b>		
Pack of 100 disposable plastic tongue-blades		<b>B-000.12.304</b>



### HEINE mini-c 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. mini-c Clip Lamp only fits mini-c handles. The mini-c handle is not compatible with mini 3000 instruments. Handle available in black or blue.

**PHASE-OUT**

- ∴ **Clip Lamp with ear light for otoplasty.** The ear light is used to ensure that hearing aids fit correctly.
- ∴ **Compact, oval, attractive light.** Lies ergonomically in the hand.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20,000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AAA.
- ∴ **Registered design.**

<b>mini-c Clip Lamp with</b>	<b>2.5V XHL</b>
★ Batteries [01]	<b>D-001.73.109</b>
Ear light and batteries [02]	<b>D-001.73.103</b>

### 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 030.

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



HEINE mini 3000 pocket instruments – a complete range of quality diagnostic instruments for your pocket. Available in black or blue. HEINE mini 3000 Clip Lamp and mini-c Clip Lamp attachments are only available with a chrome head. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.



## HEINE mini 3000® Combi Lamp

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



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 148.



## 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	Operating Otoscope	BETA 200 VET F.O. Otoscope	BETA 100 VET Otoscope
Housing construction	Metal	Metal	Metal	Metal
Magnification	1.6x	2.5x	2.5x	2.5x
Illumination	F.O. XHL or LED <sup>HQ</sup>	Direct XHL	F.O. XHL or LED <sup>HQ</sup>	Direct XHL
Instrument size	Professional	Professional	Professional	Professional
Handle options / power sources	<ul style="list-style-type: none"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>
Tips / Specula	<ul style="list-style-type: none"> <li>• Long, closed specula</li> <li>• Slit metal specula, open</li> <li>• Spreadable speculum</li> <li>• Short, closed specula</li> <li>• UniSpec VET disposable tips with adaptor</li> </ul>	<ul style="list-style-type: none"> <li>• Reusable specula</li> <li>• UniSpec disposable specula</li> <li>• AllSpec disposable tips with tip adaptor</li> </ul>	<ul style="list-style-type: none"> <li>• VET reusable specula</li> </ul>	<ul style="list-style-type: none"> <li>• Short, closed specula</li> <li>• VET reusable specula with VET-adaptor</li> <li>• AllSpec disposable tips with tip adaptor</li> </ul>
Pneumatic testing of tympanum mobility	–	–	Insufflation port available	Insufflation port available
Catalogue page	032	034	035	036

## HEINE G100 LED Slit Illumination Head

### With LED illumination in HEINE Quality – LED<sup>HQ</sup>

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.



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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
  - ∴ **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

### NEW!

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



HEINE Veterinary Diagnostic Sets

With XHL or LED<sup>HO</sup> 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	<b>G-112.10.118</b>		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>G-112.27.388</b>	<b>G-112.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>G-112.23.420</b>	<b>G-112.24.420</b>



**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	<b>G-148.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>G-148.27.388</b>	<b>G-148.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>G-148.23.420</b>	<b>G-148.24.420</b>

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



## HEINE Operating Otoscope

### The greatest flexibility and most options for instrumentation



An all-round otoscope for instrumentation under magnification. Both the lens and speculum can be swivelled. For use with reusable specula and UniSpec disposable specula. With tip-adaptor it is also possible to use AllSpec disposable tips.

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

## HEINE Operating Otoscope Kit



Without case

[01]

**NEW!**

Operating Otoscope with	2.5V XHL	3.5V XHL
BETA battery handle	<b>B-017.10.118</b>	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]		<b>B-017.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>B-017.23.420</b>

## HEINE BETA® 200 LED VET F.O. Otoscope

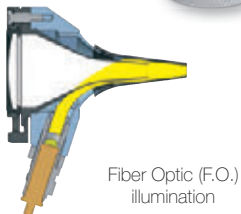
### Veterinary Otoscope with LED<sup>HQ</sup> illumination

**LED<sup>HQ</sup>**  
LED NOW 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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 037–040.
- ∴ **Full functionality of the BETA 200 LED VET 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 VET F.O. Otoscope.

## HEINE BETA 200 VET Diagnostic Kit

### With XHL or LED<sup>HQ</sup> illumination



**NEW!**

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



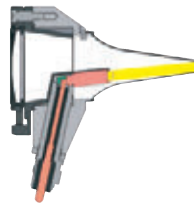
HEINE BETA® 100 VET Otoscope

**Veterinary Otoscope with direct illumination**



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

- ∴ **All-metal housing.** Exceptionally-tough and long-lasting.
- ∴ **XHL Xenon Halogen Technology.** Extremely bright, white light.
- ∴ **Large, scratch-resistant glass viewing window with 2.5x magnification.** Very sharp, distortion-free image.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.
- ∴ **Can be used with short, closed specula.** See order information accessories on pages 037–040.
- ∴ **Versatile, useful for very small animals.**
- ∴ **Instrument head matt-black inside.** Eliminates reflexes.



Direct Xenon Halogen illumination

HEINE BETA 100 VET Diagnostic Kit



Without case

**NEW!**

BETA 100 VET Otoscope with	2.5V XHL	3.5V XHL
BETA battery handle	<b>G-012.10.118</b>	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [01]		<b>G-012.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>G-012.23.420</b>

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



- **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

Reusable Specula



- **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 Design.** Painless and atraumatic insertion.
- **Metal security lock with bayonet fitting.** Positive fit to the otoscope.

**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

HEINE Reusable VET specula



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

### HEINE UniSpec® Disposable Specula



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.

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

Pack of 1000 UniSpec disposable specula 2.5 mm dia.	<b>B-000.11.242</b>
Pack of 1000 UniSpec disposable specula 4 mm dia.	<b>B-000.11.241</b>

Adaptor for use with Slit Illumination Head [01]	<b>G-000.21.302</b>
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⊗: Single use only.

### HEINE AllSpec® Disposable Tips



A tip adaptor [03] is required for use of AllSpec disposable tips on the BETA 100 VET and on the operating otoscope.

- ⊗: **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 100 VET and Operating Otoscope

Pack of 1000 pcs. 2.5mm dia. [01]	<b>B-000.11.128</b>
Pack of 1000 pcs. 4 mm dia. [01]	<b>B-000.11.127</b>
Dispenser pack, single, of 250 tips, 2.5 mm dia [02]	<b>B-000.11.153</b>
Dispenser pack, single, of 250 tips, 4 mm dia [02]	<b>B-000.11.152</b>
Case of 10 dispenser packs of 250 tips, 2.5 mm dia	<b>B-000.11.151</b>
Case of 10 dispenser packs of 250 tips, 4 mm dia	<b>B-000.11.150</b>

Adaptor for AllSpec tips [03]	<b>B-000.11.306</b>
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#### ⊗: AllSpec Tip-dispenser

**The right size, visible and instantly available.** A clean new tip for each and every patient. Contents: 45 pcs. Ø 2.5mm and 45 pcs. Ø 4mm.



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



## 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



Operating Otoscope head	2.5V XHL	3.5V XHL
with 1 set = 6 reusable specula, without handle	B-001.11.494	B-002.11.494
without handle and without accessories	B-001.11.492	B-002.11.492



BETA 200 VET F.O. Otoscope 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



BETA 100 VET Otoscope head	2.5V XHL	3.5V XHL
without handle and without accessories	G-001.21.260	G-002.21.260



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 Otoscope 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



# HELPING the human EYE.

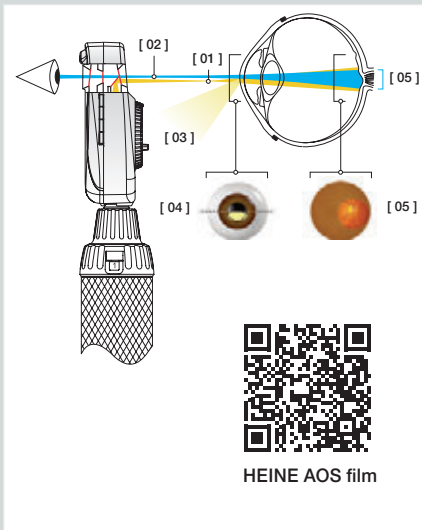




HEINE Direct Ophthalmoscopes



	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 <sup>HQ</sup>	XHL or LED <sup>HQ</sup>	XHL	XHL		XHL or LED <sup>HQ</sup>
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"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle (XHL only)</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>		<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>		<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>
Catalogue page	043	045		048		050



“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<sup>HQ</sup> 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 aluminium 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ⚡ **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, hemispot



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<sup>HQ</sup> 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

NEW!

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 053.

## HEINE BETA® 200 LED Ophthalmoscope

### Superior aspherical optics with LED<sup>HQ</sup> 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, hemispherical spot



With red-free filter

## HEINE BETA 200 Ophthalmoscope Sets/Kits

### With XHL or LED<sup>HQ</sup> 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.

#### NEW!

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



Without case



HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED<sup>HQ</sup> 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 053.



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 145)



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 011.

HEINE BETA 200 Diagnostic Sets/Kits

With XHL or LED<sup>HO</sup> 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 145)**

**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 013.



**Set includes: BETA 200 Ophthalmoscope (XHL or LED), BETA 100 Diagnostic Otoscope (XHL),**  
1 set (6 pcs.) of reusable specula, 10 UniSpec disposable specula, 4 mm dia.,  
one spare bulb each for XHL version, hard case.

	2.5V XHL	3.5V XHL	3.5V XHL/LED*
BETA battery handle	A-234.10.118		
BETA4 USB rechargeable handle with USB Cord and plug-in power supply		A-234.27.388	A-234.25.388
BETA4 NT rechargeable handle with NT4 table charger		A-234.23.420	A-234.25.420

\*BETA 100 Otoscope with XHL illumination and BETA 200 LED Ophthalmoscope with LED illumination.

∴ For further information on the HEINE BETA 100 Diagnostic Otoscope, please see page 020.



## 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	<b>C-182.10.118</b>	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-182.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>C-182.23.420</b>

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



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





## 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	<b>A-279.10.118</b>	
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-279.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>A-279.23.420</b>

∴ For further information on the HEINE K180 F.O. Otoscope, please see page 015.

## HEINE mini 3000® Ophthalmoscope

Compact pocket ophthalmoscope with XHL or LED<sup>HQ</sup> illumination


LED NOW IN HEINE QUALITY.



## mini 3000 apertures



Fixation star, large spot, small spot,  
hemispot, 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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 148.



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 016.



[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 023.



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.



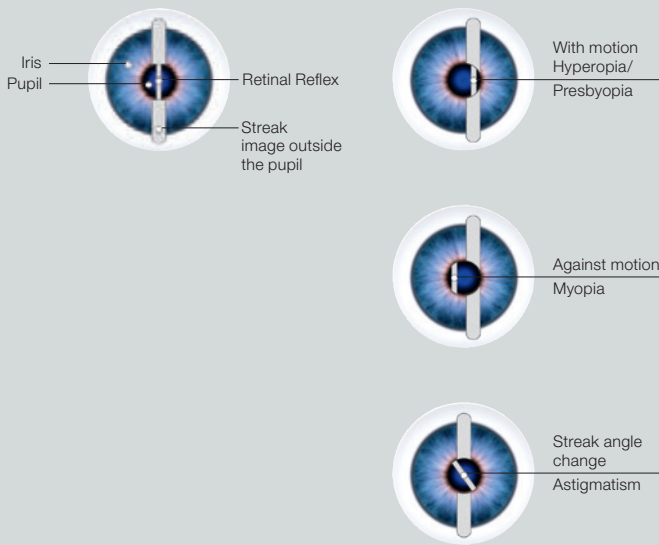
Spare bulb for BETA 200S, BETA 200 and BETA 200 M2	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070



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<sup>HQ</sup>



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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
  - ∴ **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	<b>C-034.10.118*</b>		
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-034.27.388</b>	<b>C-034.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>C-034.23.420</b>	<b>C-034.24.420</b>

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



Without case

**NEW!**

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



**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	<b>C-262.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-262.27.388</b>	<b>C-262.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>C-262.23.420</b>	<b>C-262.24.420</b>

∴ For further information on the HEINE BETA 200S Ophthalmoscope, please see page 043.



**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	<b>C-145.10.118</b>		
BETA4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-145.27.388</b>	<b>C-145.28.388</b>
BETA4 NT rechargeable handle with NT4 table charger		<b>C-145.23.420</b>	<b>C-145.24.420</b>

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

### 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	<b>C-252.10.105</b>



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

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

\*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 (100g).** 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
★ <b>Kit 1:</b> acuity scale 20/300 to 20/25 (scale 2)	<b>C-037.27.388</b>
<b>Kit 2:</b> decimal scale 0.06 to 0.8 (scale 1)	<b>C-038.27.388</b>



## 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]

#### NEW!

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



HEINE Finoff Transilluminator

For scleral transillumination

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

**NEW!**

Finoff Transilluminator with	2.5V XHL	3.5V XHL
BETA battery handle [01]	<b>C-019.10.118</b>	
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply [02]		<b>C-019.27.388</b>
BETA4 NT rechargeable handle (without NT4 table charger)		<b>C-019.23.396</b>



[01]



[02]

Without case

## HEINE iC2 Funduscope

### Mobile, digital ophthalmoscopy

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.



### PHASE-OUT

- ⚡ **Always with you wherever you are.** With a weight of just 300g, practical dimensions and cable-free operation, it's ideal for examining children as well as bedridden, injured and disabled patients.
- ⚡ **Comfortable for both the doctor and patient.** In addition to the conveniently longer working distance for both sides, full adjustment of LED brightness is particularly pleasant for the patient. Needless to say, it corresponds to the highest international standard for photobiological safety.
- ⚡ **Continuous dioptre compensation.** Adjustable from +15 to -15 dioptres, complemented by autofocus with +/-3 dioptres.
- ⚡ **High-quality fundus images:** Optical precision lens system with 4 aspherical high-performance lenses. Convenient documentation of completed examinations. Excellent imaging quality at up to 12 MP\*\*.
- ⚡ **Field of view up to 34°.** The angle of view is therefore approximately four times as big as that of conventional direct ophthalmoscopes with 9°.
- ⚡ **Straightforward scanning of the periphery,** simply by tilting the iC2 back and forth.
- ⚡ **There's LED. And there's LED<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ⚡ **Set it down and charge in one step.** The iC2 Charger is the world's first inductive charging station to receive approval for a medical product. Say goodbye to charging cables!
- ⚡ **A film says more than a thousand words.** A brief film shows you just how practical, simple and fast fundus photography can be. Scan this QR code or go to [www.heine.com/video/heine\\_ic2\\_en\\_gb/](http://www.heine.com/video/heine_ic2_en_gb/).
- ⚡ **See for yourself what the iC2 app is capable of:** intuitive localisation of images, continuous magnification, storage of additional patient data, documentation of the current situation and, most notably, provision of images via email.



HEINE iC2  
Application film



HEINE iC2 App

## HEINE iC2 Funduscope Sets



### PHASE-OUT

<b>iC2 Charger Set/7 for iPhone 7 and 8</b>	LED
iC2 with mounting case smartphone iC2/7 for Apple iPhone 7 and 8*, iC2 Charger, USB cord with 1.5m medical approved plug-in power supply and case	C-152.40.211
<b>iC2 Charger Set/6 for iPhone 6/6s</b>	LED
See above, but with mounting case smartphone iC2/6 for Apple iPhone 6/6s*	C-151.40.211
<b>iC2 Charger Set/5 for iPhone 5s and SE</b>	LED
See above, but with mounting case smartphone iC2/5 for Apple iPhone 5s and SE*	C-150.40.211

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

\*\* With iPhone from Version 6s





## 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		
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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 <b>Spot Retinoscope</b>	X-001.88.088	X-002.88.090



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
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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



LAMBDA100 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 LAMBDA100 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



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

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



Spare bulb for Finoff Transilluminator	2.5V XHL	3.5V XHL
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078



[01]







[02]

**PHASE-OUT**

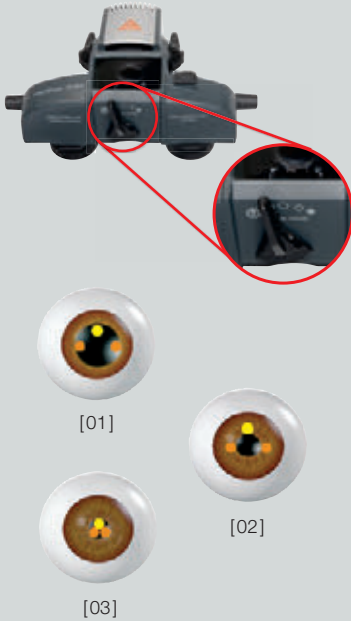
Accessories for iC2	
USB cord with E4-USB medical approved plug-in power supply	X-000.99.303
Mounting case smartphone iC2/7 for Apple iPhone 7/8	C-000.33.152
Mounting case smartphone iC2/6 for Apple iPhone 6/6s [01]	C-000.33.151
Mounting case smartphone iC2/5 for Apple iPhone 5s/SE	C-000.33.150
Case for iC2 [02]	C-150.00.000

## HEINE Indirect Ophthalmoscopes

LED<sup>HQ</sup>LED<sup>HQ</sup>

	OMEGA 500	SIGMA 250	SIGMA 250 M2
Convergence and parallax adjustment	Synchronized	Separate	
Apertures			
Integrated filters		Red-free filter is integrated in aperture row	
Illumination	XHL or LED <sup>HQ</sup>	LED <sup>HQ</sup>	
Wearing options	Professional L Headband	S-FRAME Spectacle Frame	
Further articles	<ul style="list-style-type: none"> <li>• Teaching mirror</li> <li>• Ophthalmoscopy lenses</li> <li>• Fundus charts</li> </ul>	<ul style="list-style-type: none"> <li>• Teaching mirror</li> <li>• Blue filter and yellow filter</li> <li>• Diffusor</li> <li>• Ophthalmoscopy lenses</li> <li>• Fundus charts</li> </ul>	
Product variants	With integrated camera	-	
Brightness control	On the instrument	On the power source	
Mobile power supply / Operating time	<ul style="list-style-type: none"> <li>• Headband-mounted battery mPack UNPLUGGED / XHL typ. 2 hours, LED typ. 7 hours</li> <li>• mPack / XHL typ. 4 hours, LED typ. 13 hours</li> </ul>	<ul style="list-style-type: none"> <li>• mPack mini / LED typ. 11 hours</li> </ul>	
Stationary power supply	<ul style="list-style-type: none"> <li>• EN 50 Table- or / Wall transformer</li> <li>• Plug-in transformer</li> </ul>	-	
Catalogue page	063 – 067	068 / 069	

## Synchronized Convergence and Parallax Adjustment System



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

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

## HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

### Quality with LED<sup>HQ</sup> or XHL illumination



With its LED<sup>HQ</sup> or XHL technology and perfect colour rendering, the OMEGA 500 has set the standard for reliability and performance.



- ⌘ **Unique Synchronized Adjustment of Convergence and Parallax** for high quality, stereoscopic fundus images through any pupil size. Precise selection of the observation and illumination optics for small pupils down to 1.0 mm (see above).
- ⌘ **Excellent optical performance due to the multi-coated illumination system.** Exact vertical alignment of the illumination with the observation path further minimising the reflections.
- ⌘ **Due to the mounting of the optics on an aluminium frame,** the OMEGA 500 is solid, long lasting, and is guaranteed to be dustproof.
- ⌘ **The HC 50L Headband Rheostat controls the LED<sup>HQ</sup> illumination as well as the XHL Xenon-Halogen illumination.**
- ⌘ **Apertures and Filters:** Can be “locked” into a desired position.
- ⌘ **Adjustment Levers:** Also feature a “Friction-Clutch” (“Safety-Clutch”) to protect mechanisms from forced adjustment while in the “lock” position.
- ⌘ **Increased PD Range:** From 46 – 74 mm.
- ⌘ **Soft Touch Controls:** All key adjustment controls feature soft touch surfaces for precise and positive adjustment control.

#### OMEGA 500 apertures



Diffuser HEINE, small spot, medium and large.

#### OMEGA 500 filters



Red-free, yellow and cobalt blue filters.



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



Synchronised adjustment of convergence and parallax.



Aperture settings



Filter settings

## HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

### Quality with LED<sup>HQ</sup> or XHL illumination

LED<sup>HQ</sup>

LED NOW IN HEINE QUALITY.



### LED<sup>HQ</sup> Technology

- ∴ **There's LED. And there's LED<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light throughout the whole working life of the LED – for an accurate diagnosis.
- ∴ With the **Rheostat HC 50L** the light intensity can be precisely adjusted – especially in the range of low light intensities.
- ∴ **Convert your XHL Xenon Halogen OMEGA 500 to LED:** With an upgrade kit the OMEGA 500 can easily and quickly be adapted to the new technology.

### Headband



[01]



[02]

- ∴ **Articulating hinge** provides vertical adjustment of the rear band of the headband for individual placement. Secure and perfect fit for all shapes and sizes.
- ∴ **Ergonomic design** for optimal weight transfer across the surface of the entire headband (no pressure points).
- ∴ **Softer, malleable material.** Provides even and comfortable fit of the headband.
- ∴ **Calibrated overband position** ensures optics are in true horizontal position for precise adjustment and alignment.
- ∴ **Integrated cables** in overband eliminates the usual “cable loop” from instrument to headband.
- ∴ **Registered design.**
- ∴ **HC 50L Headband Rheostat:** Easily mounted on the left or right sides of the headband [01].
- ∴ **Integrated flip-up adjustment:** To raise optics out of the line of sight. Can be mounted on the left or right side of the headband. Optics can be flipped and locked at 0°, 12.5°, 47.5°, 60° degrees [02].
- ∴ **Mechanically reinforced adjustment mechanisms:** For durability and precise adjustment of the headband.



HEINE OMEGA 500  
Operation film



HEINE OMEGA 500  
Accessories film



HEINE OMEGA 500 Sets / Kits



**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. 2m 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
<b>Kit 1:</b> with plug-in transformer for HC50 L	C-004.33.537	C-008.33.531
<b>Kit 2:</b> with EN 50 transformer complete (incl. EN 50 Rheostat Control Module, extension cord Cinch-Cinch 2m, 90° angled adaptor, instrument support)	C-004.33.538	
<b>Kit 3:</b> with mPack and plug-in transformer (incl. 90° angled adaptor) [01]	C-004.33.539	C-008.33.533



HEINE OMEGA 500 UNPLUGGED

with headband battery mPack UNPLUGGED



100% freedom of movement – no cable connections!  
The OMEGA 500 Ophthalmoscope with mPack UNPLUGGED rechargeable battery allows one-of-a-kind mobility without restriction or hindrance caused by cables, cords, or similar connections.

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

HEINE OMEGA 500 UNPLUGGED Set / Kits



**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



[01]

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

	XHL – 6V	LED – 6V
★ <b>Kit 5:</b> plug-in transformer UNPLUGGED, 1 x mPack UNPLUGGED	C-004.33.541	C-008.33.535
<b>Kit 6:</b> Wall unit EN 50 UNPLUGGED charger, 2 x mPack UNPLUGGED	C-004.33.542	C-008.33.536
<b>Kit 7:</b> Wall unit EN 50 UNPLUGGED charger, 1 x mPack UNPLUGGED [01]	C-004.33.543	C-008.33.537

## HEINE OMEGA 500 with DV1 Digital Video Camera

### High-resolution digital imaging of the fundus



HEINE OMEGA 500  
with DV1 film

- ✦ **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.
- ✦ **Simple operation.** Digital imaging without any additional adjustments. Simply start recording and the image as seen through the OMEGA 500 will be displayed on the screen.
- ✦ **Comfortable and balanced fit.** The OMEGA 500 headband distributes the low weight of the compact camera and optics perfectly and ensures a comfortable fit.
- ✦ **Integrated focus adjustment.** The high depth of focus combined with an easily accessible focus adjustment, even for the assistant, ensures crisp, in-focus imaging.
- ✦ **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.
- ✦ **Cable-free power source system** with mPack UNPLUGGED rechargeable battery.
- ✦ **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](http://www.heine.com/omega500dv1)

## 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<sup>HQ</sup> illumination

  
LED NOW IN HEINE QUALITY.


## 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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



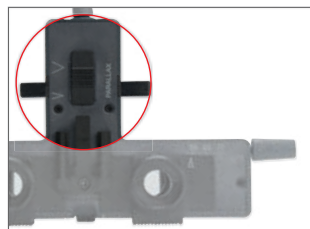
Large pupil



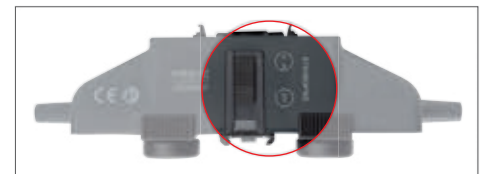
Small pupil



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	<b>C-281.41.671</b>
SIGMA 250 M2 (with micro spot aperture instead of small aperture)	<b>C-279.41.671</b>



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	<b>C-008.33.341</b>
SIGMA 250 M2 (with micro spot aperture instead of small aperture)	<b>C-008.33.346</b>



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.
- ∴ **Add-on binocular attachment available.** Instrument can be up-dated for binocular use.

HEINE Hand-held Indirect Ophthalmoscope, MONOCULAR Kits



[01]

Without case

**NEW!**

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

HEINE Hand-held Indirect Ophthalmoscope, BINOCULAR

Compact binocular ophthalmoscope



Adding the binocular attachment to the Hand-held Indirect Ophthalmoscope allows stereoscopic examination. PD selection from 54 to 74mm.

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

HEINE Hand-held Indirect Ophthalmoscope, BINOCULAR Kits



[01]

Without case

**NEW!**

Hand-held Indirect Ophthalmoscope, BINOCULAR with	3.5V XHL
★ BETA4 USB rechargeable handle with USB cord and plug-in power supply	<b>C-021.27.388</b>
BETA4 NT rechargeable handle with NT4 table charger [01]	<b>C-021.23.420</b>

## 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, 8mm.
- ∴ **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, 8mm.
- ∴ **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

Combi case [01] for indirect ophthalmology sets C-283 and C-284 (432 mm x 330 mm x 197 mm) (can be worn over the shoulder or as a backpack.)	C-079.03.000
Hard case [02] for indirect ophthalmology sets C-283 and C-284 (470 mm x 400 mm x 190 mm)	C-079.00.000
<b>NEW!</b> Case for SIGMA 250 (270 mm x 270 mm x 150 mm) [03]	C-000.32.553

## Accessories for HEINE indirect ophthalmoscopes



Scleral depressor	
<b>PHASE-OUT</b> Scleral depressor, large*	C-000.17.300
Scleral depressor, small*	C-000.17.301

\*autoclavable



#### Fundus charts

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

**HEINE indirect ophthalmoscopes**



<b>OMEGA 500 Ophthalmoscope</b>	XHL – 6V	LED – 6V
on Headband (without HC 50L Headband Rheostat)	<b>C-004.33.500</b>	
on Headband with HC 50L Headband Rheostat and Connecting Cord Cinch	<b>C-004.33.507</b>	<b>C-008.33.502</b>



<b>OMEGA 500 Ophthalmoscope with DV1</b>	XHL – 6V	LED – 6V
OMEGA 500 with DV1 and USB 2.0 cord	<b>C-004.33.563</b>	<b>C-008.33.563</b>



<b>Spare bulb for OMEGA 500 Ophthalmoscope</b>	XHL – 6V
XHL Xenon Halogen spare bulb	<b>X-004.88.111</b>



[01]



[02]

<b>Upgrade-Kits OMEGA 500 LED</b>	LED – 6V
With these kits, a XHL illumination OMEGA 500 can be converted to LED illumination.	
Upgrade-Kit OMEGA 500 with LED module [01] and HC 50L [02]	<b>X-008.16.325</b>
LED module for OMEGA 500 [01]	<b>X-008.87.200</b>



[03]

[04]



[05]



[06]



<b>Accessories OMEGA 500 Ophthalmoscope</b>	
HC 50L Headband Rheostat (without plug-in transformer)	<b>X-095.16.325</b>
Plug-in transformer for HC 50L Headband Rheostat	<b>X-095.16.330</b>
Teaching mirror [03]	<b>C-000.33.209</b>
Extension Cord Cinch-Cinch, 2m [04]	<b>C-000.33.510</b>
Connecting Cord Cinch to EN 50 charger/mPack/plug-in transformer for HC 50L, 1.6m [05]	<b>X-000.99.667</b>
Extension cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2m [06]	<b>X-000.99.668</b>
USB 2.0 cord for OMEGA 500 with DV1	<b>X-000.99.206</b>

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



Hand-held Indirect Ophthalmoscope, BINOCULAR	3.5V XHL
with +3D lens attachment and orbit rest extension, without handle	C-002.33.002

Accessories Hand-held Indirect Ophthalmoscope, BINOCULAR	
Binocular attachment only [02]	C-000.33.106



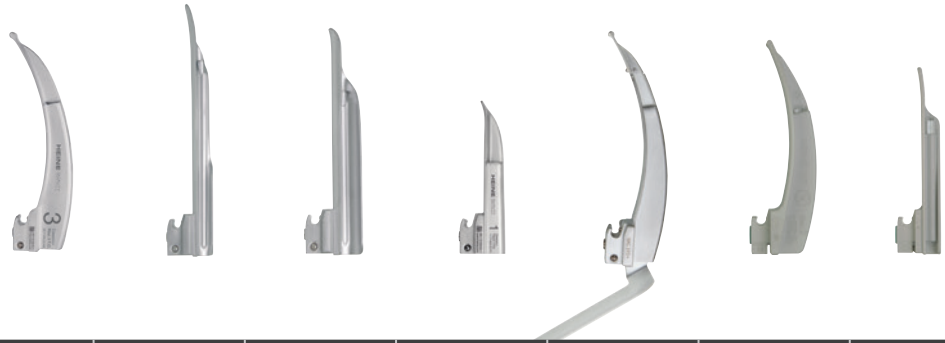
Spare bulb for Hand-held Indirect Ophthalmoscope MONOCULAR and BINOCULAR	3.5V XHL
XHL Xenon Halogen spare bulb	X-002.88.050



**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	Reusable, Sterilisation without disassembly	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	10 years Guarantee and 4000 autoclave cycles	10 years Guarantee and 4000 autoclave cycles	10 years Guarantee and 4000 autoclave cycles	5 years Guarantee and 4000 autoclave cycles	⊗	⊗
Catalogue page	079	080	080	080	081	082	082

⊗: Single use only.

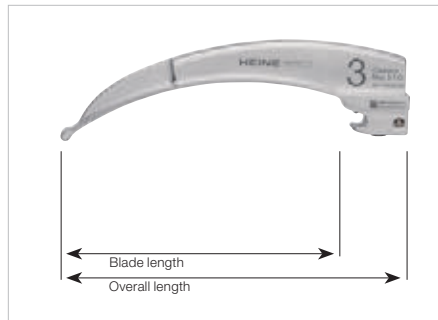
## HEINE Classic+ Macintosh Fiber Optic (F.O.) Blades

### Innovative Fiber Optic Technology for advanced performance



Our new, 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.

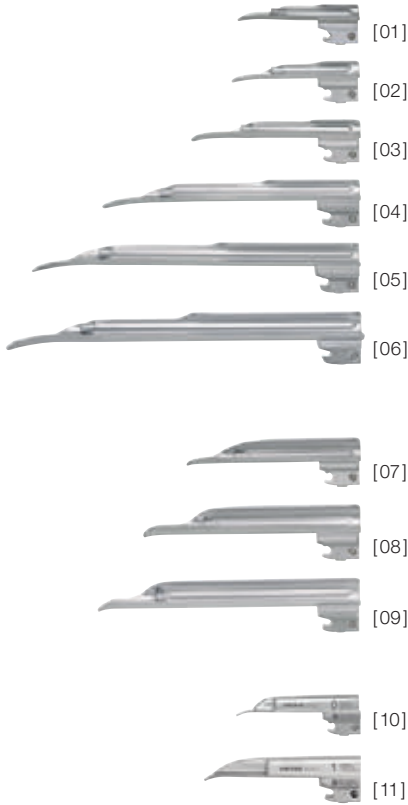


Size	Overall length	Blade length	Distal width	
Mac 0 [01]	82 mm	66 mm	9 mm	<b>F-000.22.100</b>
Mac 1 [02]	94 mm	78 mm	10 mm	<b>F-000.22.101</b>
Mac 2 [03]	114 mm	98 mm	14 mm	<b>F-000.22.102</b>
Mac 3m* [04]	134 mm	118 mm	14 mm	<b>F-000.22.143</b>
Mac 3 [05]	134 mm	118 mm	14 mm	<b>F-000.22.103</b>
Mac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

\* stronger curve

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

Innovative Fiber Optic Technology for advanced performance



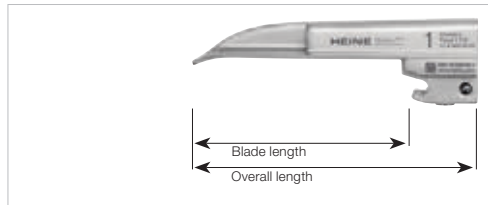
- ∴ **The Miller Classic+ blades with improved geometry simplify intubation.**  
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** with 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]	76 mm	51 mm	10 mm	F-000.22.119
Miller 0 [02]	80 mm	55 mm	11 mm	F-000.22.120
Miller 1 [03]	100 mm	78 mm	12 mm	F-000.22.121
Miller 2 [04]	152 mm	130 mm	13 mm	F-000.22.122
Miller 3 [05]	192 mm	170 mm	13 mm	F-000.22.123
Miller 4 [06]	207 mm	185 mm	16 mm	F-000.22.124
WIS 1 [07]	110 mm	85 mm	13 mm	F-000.22.131
WIS 2 [08]	130 mm	105 mm	16 mm	F-000.22.132
WIS 3 [09]	160 mm	133 mm	16 mm	F-000.22.133
Paed 0 [10]	82 mm	65 mm	12 mm	F-000.22.110
Paed 1 [11]	95 mm	78 mm	13 mm	F-000.22.111



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

### A useful Tip for a difficult intubation

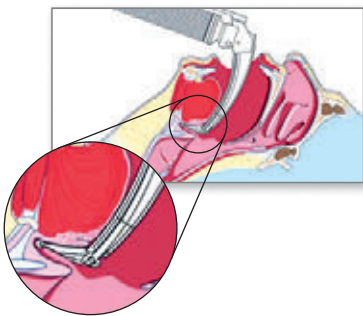
The FlexTip+ is a Macintosh Laryngoscope Blade with a tip which is adjustable through 70°. A lever controls the tip angle during intubation to lift the epiglottis, giving a clear view of the vocal cords. Contact with the upper row of teeth and unnecessary pressure on the tongue and soft tissue are avoided.

- ∴ **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	<b>F-000.22.313</b>
Mac 4	157 mm	137 mm	13 mm	<b>F-000.22.314</b>
Mac 3 and Mac 4	134 mm/ 157 mm	115 mm/ 137 mm	13 mm/ 13 mm	<b>F-000.22.316</b>



## HEINE XP Disposable Laryngoscope Blades

### Eliminate cross-infection



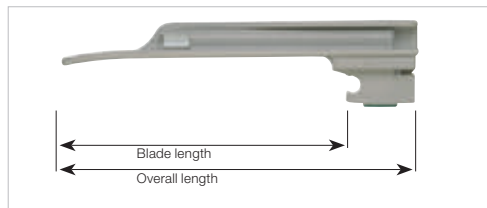
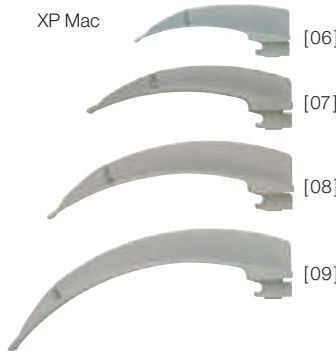
XP Miller



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 088.

⊗: 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

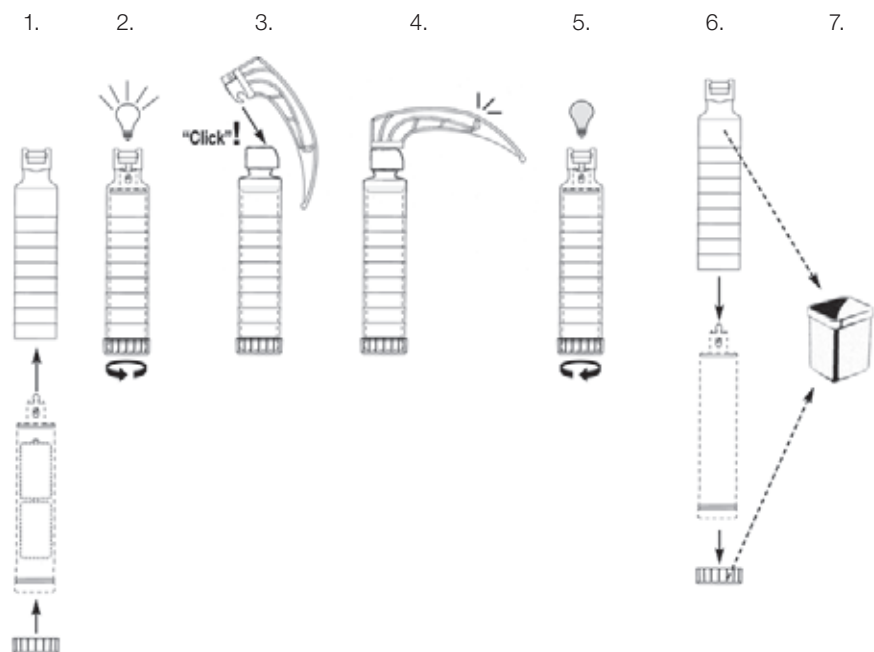
without laryngoscope insert, pack of 25

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	F-008.22.889
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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- **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]	<b>F-008.22.820</b>
EasyClean LED SLIM Laryngoscope Handle suitable for 2x AA-batteries (LR6), complete* [02]	<b>F-008.22.821</b>
EasyClean LED SHORT Laryngoscope Handle, suitable for 3x AAA-batteries (LR03), complete* [03]	<b>F-008.22.822</b>

\*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](http://www.heine.com)

## HEINE F.O.4 NT Laryngoscope Handles

### Li-ion in all handle sizes – XHL or LED<sup>HQ</sup> 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**



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

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

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

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

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

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

\*\*Delivery without batteries.

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



HEINE NT4 Table Charger and Adaptors

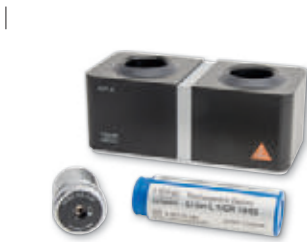


All rechargeable HEINE F.O.4 NT Laryngoscope Handles can only be charged with the NT4 table charger. The use of an adaptor is required for some handles. For detailed information about the NT4 table charger and adaptor, please see page 142.

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 F.O. Angled Handle

For complex intubation



The Fiber Optic Angled Handle can be fitted with any HEINE Fiber Optic blade. The angle of the blade to the handle gives a significantly better view for intubation e.g. in cases of injury to the neck. One F.O. Angled Handle for all F.O. Blades (except FlexTip). The rechargeable handle can be charged only in the NT 300 table charger.

Angled Handle	2.5V	3.5V NiMH	3.5V Li-ion L
F.O. Angled Handle, complete [01]	F-001.22.941	F-002.22.942	F-007.22.945
Bottom insert [02] [03] [04]	X-000.99.119	X-002.99.412	X-002.99.396
Rechargeable battery [05] [06]	-	X-002.99.382	X-007.99.383
Spare bulb	X-001.88.035	X-002.88.044	X-002.88.044
NT 300 charger, only (without handle)	-	X-002.99.495	X-002.99.495

Spare parts are still available on request.

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]	<b>F-119.10.860</b>	
with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		<b>F-119.23.865*</b>



[02]

As above, but with LED illumination, without spare bulb

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



[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]	<b>F-120.10.860</b>	
with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		<b>F-120.23.865*</b>



[02]

As above, but with LED illumination, without spare bulb

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

\* 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]	<b>F-230.10.860</b>	
with Standard F.O.4 NT Rechargeable Handle with Li-ion Battery and NT4 table charger		<b>F-230.23.865*</b>

As above, but with LED illumination, without spare bulb

LED <sup>HD</sup> FlexTip+ Sets	2.5V	3.5V Li-ion
with Standard F.O. LED Battery Handle	<b>F-230.18.860</b>	
with Standard F.O.4 LED NT Rechargeable Handle with Li-ion Battery and NT4 table charger		<b>F-230.94.865*</b>
with EasyClean LED Battery Handle	<b>F-230.18.820</b>	

\* 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.

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

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

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

\*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)	<b>F-000.22.739</b>

Further articles or accessories see page 083.



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



## HEINE Dermatoscopes


**PHASE-OUT**


	DELTA 30	DELTAone	iC1	DELTA 20T	NC2	mini 3000
Polarisation	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Polarised + non-polarised (switchable)	Polarised	Non-polarised (immersion)
Illumination	LED <sup>HQ</sup>	LED <sup>HQ</sup>	LED <sup>HQ</sup>	LED <sup>HQ</sup>	LED <sup>HQ</sup>	XHL or LED <sup>HQ</sup>
Free field of view – diameter in contact mode	30mm	21 mm	Digital	20mm	21 mm	14 mm
Magnification	10x	10x	up to 40x digital	10x*	6x/10x up to 30x digital	10x
Handle options / power sources	<ul style="list-style-type: none"> <li>• USB cable</li> <li>• Table charger</li> </ul>	<ul style="list-style-type: none"> <li>• USB cable</li> </ul>	<ul style="list-style-type: none"> <li>• USB cable</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• USB rechargeable handle</li> <li>• Rechargeable handle with table charger</li> <li>• EN 200 / EN 200-1</li> </ul>	<ul style="list-style-type: none"> <li>• USB cable</li> </ul>	<ul style="list-style-type: none"> <li>• Battery handle</li> <li>• Rechargeable handle with table charger</li> </ul>
Contact plate	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> </ul>	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> </ul>	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> </ul>	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> <li>• Contact plate without scale</li> </ul>	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> </ul>	<ul style="list-style-type: none"> <li>• Contact plate with scale</li> <li>• Contact plate without scale</li> </ul>
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	With adaptor for iPhone/iPod touch** and HEINE DERM app	–
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	091	092	093	094	095	096

\* 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



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<sup>HQ</sup> 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<sup>HQ</sup>.
- ∴ **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](http://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



[02]



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

∴ **Accessories can be found on page 097.**



### ∴ **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](http://www.heine.com/en/digital)

## HEINE DELTAone Dermatoscope

### Uniting diagnostic precision and mobility



[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<sup>HQ</sup>. Examinations are now particularly comfortable due to the polarisation allowing doctors to work glare-free and without disrupting reflections. These three features – clarity, LED<sup>HQ</sup> 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<sup>HQ</sup>.
- ∴ **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](http://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.

Apple, the Apple logo and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

## 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 097.**

## HEINE iC1 Dermatoscope

### The digital dermatoscope

**LED<sup>HQ</sup>**  
LED NOW 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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](http://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.

\* 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	LED
iC1 with contact plate with scale, mounting case smartphone iC1/5 for Apple iPhone 5s and SE, USB cord with medical approved plug-in power supply	<b>K-271.28.305</b>
iC1 Set/6 for iPhone 6/6s	LED
See above, but with mounting case smartphone iC1/6 for Apple iPhone 6/6s	<b>K-270.28.305</b>
iC1 Set/7 for iPhone 7 and 8	LED
See above, but with mounting case smartphone iC1/7 for Apple iPhone 7 and 8	<b>K-273.28.305</b>

The Apple iPhone is not included in the scope of delivery.



- ∴ **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](http://www.heine.com/en/digital)



## HEINE DELTA® 20T Dermatoscope

### The Classic

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.



- ∴ **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](http://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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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 098 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	<b>K-010.28.388</b>

	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	<b>K-010.28.252</b>



## HEINE NC2 Dermatoscope

### The all-in-one dermatoscope

**LED HQ**  
LED NOW IN HEINE QUALITY.



- ∴ **Precise images.** The contact plate [01] achieves a clear, reflection-free and highly detailed image in 10× magnification, even without immersion fluid.
- ∴ **Non-contact.** Without the magnetically-held contact plate [02], the NC2 is used for non-contact examination in 6× magnification for hygienic and efficient skin examination with a large field of view.
- ∴ **Digital.** The optional iPhone/iPod\* accessory and the exclusive HEINE DERM app allow you to use the NC2 like a digital camera. With up to 30× digital magnification and up to 12-megapixel resolution.\*\* Including an extensive range of documentation options: integrated patient management, email function, classification of image information, and patient details on a bodymap. Even in non-contact mode.
- ∴ **Polarised illumination** for immediate examination without the use of contact fluids.
- ∴ **There's LED. And there's LED<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **An especially large overview field** thanks to HEINE precision optics (lens with 27 mm diameter) for crystal clear, high-resolution images.
- ∴ **Ocular adjustable** from 0 to +3 dpt for correction and refocussing.
- ∴ **Micro-USB connection** for charging the integrated Li-ion battery. The rechargeable battery can be replaced by authorised specialist dealers.

\* 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.  
\*\* with iPhone from Version 6s

Exclusive  
HEINE DERM app



## HEINE NC2 Dermatoscope Sets



**Set includes: NC2 Dermatoscope** (incl. USB handle),  
USB cord with E4-USB medical approved plug-in power supply, case.  
Please order mounting case smartphone separately, see accessories page 099.

	LED
★ with contact plate with scale [01]	D-841.78.120
without contact plate	D-842.78.120

- ∴ **HEINE NC2 Dermatoscopes are also suitable for use with the HEINE Cube System.**





## HEINE mini 3000® Dermatoscope

### Compact pocket dermatoscope with XHL or LED<sup>HQ</sup> illumination



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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **Twice as bright** as a conventional XHL (Xenon Halogen) dermatoscope.
- ∴ **Maintenance-free LED<sup>HQ</sup> 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 <b>with scale</b>	<b>D-888.78.021</b>
mini 3000 battery handle with batteries, contact plate <b>without scale</b>	<b>D-887.78.021</b>



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 <b>with scale</b>	<b>D-001.78.109</b>	<b>D-008.78.109</b>
mini 3000 battery handle with batteries, contact plate <b>without scale</b>	<b>D-001.78.107</b>	<b>D-008.78.107</b>



Further articles / Accessories

**HEINE Dermatoscopes**



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



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



<b>DELTA 30 and DELTAone</b>	
Mounting case smartphone for Apple iPhone 6/6s*	<b>K-000.34.260</b>
Mounting case smartphone for Apple iPhone 7/8/SE 2020* [06]	<b>K-000.34.261</b>
Mounting case smartphone for Apple iPhone X/XS*	<b>K-000.34.262</b>
Mounting case smartphone for Apple iPhone XR*	<b>K-000.34.263</b>
Universal Smartphone Connector [07] Suitable for many common smartphone mounting cases Connector suitable for mobile phone cases with a smooth surface where the camera mustn't protrude from the case.	<b>K-000.34.270</b>
USB cord with E4-USB medical approved plug-in power supply	<b>X-000.99.303</b>



<b>iC1 Dermatoscope</b>	
Contact plate with scale [08]	<b>K-000.34.201</b>
Mounting case smartphone iC1/7 for Apple iPhone 7/8/SE 2020* [09]	<b>K-000.34.253</b>
Mounting case smartphone iC1/6 for Apple iPhone 6/6s*	<b>K-000.34.250</b>
Mounting case smartphone iC1/5 for Apple iPhone 5s/SE*	<b>K-000.34.251</b>
iPod mounting case iC1/T6 for Apple iPod touch 6th generation*	<b>K-000.34.252</b>
USB cord with E4-USB medical approved plug-in power supply	<b>X-000.99.303</b>

\*The Apple hardware is not included in the scope of delivery. For Apple hardware, please contact an authorized Apple distributor, an Apple Premium Reseller or Apple Inc. directly. Apple, the Apple Logo, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



## 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, 8mm 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



[01]



[02]

**PHASE-OUT**

NC2 Dermatoscope	
Contact plate with scale [01]	D-000.78.114
Mounting case smartphone NC2/7 for Apple iPhone 7/8* [02]	D-000.78.127
Mounting case smartphone NC2/6 for Apple iPhone 6/6s*	D-000.78.126
Mounting case smartphone NC2/5 for Apple iPhone 5s/SE*	D-000.78.125
iPod mounting case NC2/T6 for Apple iPod touch 6. Generation*	D-000.78.124
USB cord with E4-USB medical approved plug-in power supply	X-000.99.303

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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, 8 mm 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

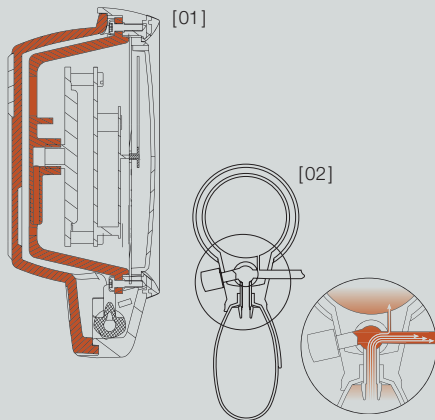


**It's sure  
to increase  
your  
HEARTBEAT.  
Out of pure  
JOY.**





## 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. 56 mm diameter black-on-white scale is easy to read.
- ∴ High quality indicator. Precisely calibrated, durable and shock resistant.
- ∴ Large insufflation bulb. 50 % larger bulb volume for fast inflation of the cuff.
- ∴ Exclusive air-release valve. Provides fine and precise air release rate adjustment, quick deflation, and extreme durability. A rubber-stop prevents valve-lock.
- ∴ Upper housing made of aluminium alloy with a shock absorbing ring protecting indicator and glass.
- ∴ Lower housing is moulded of shockproof plastic with shock absorbing, anti-slip coating.
- ∴ Light alloy, adjustable spoon. For both right- or left-handed operation.
- ∴ High quality, single-tube cuff with velcro fastener. Washable.
- ∴ Ergonomic design: G7 is perfectly balanced for comfort and ease of use.
- ∴ 10 year 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	<b>M-000.09.230</b>
complete with child cuff, in zipper pouch	<b>M-000.09.231</b>
Practice kit with child, adult and small adult cuff in zipper pouch	<b>M-000.09.555</b>
complete with adult cuff without zipper pouch, box of 10	<b>M-000.09.561</b>

HEINE GAMMA® GP

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

## HEINE GAMMA® XXL LF

## The top-quality professional model

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



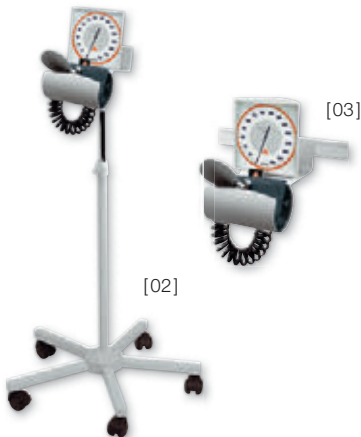
[01]

- ∴ **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 146 [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]



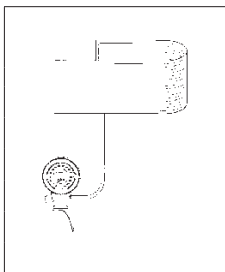
Blood-pressure cuffs and accessories

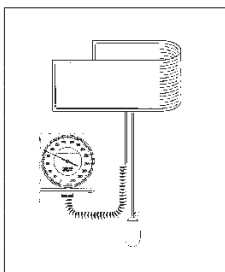
Latex-free blood-pressure cuffs



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

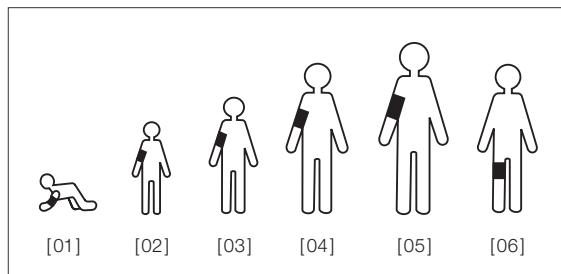
- ✦ Latex-free.
- ✦ Fit the most widely used sphygmomanometers.
- ✦ High-quality velcro cuffs made of wear-resistant material. Physiologically tested.
- ✦ Double-sewn.
- ✦ Washable.
- ✦ Index mark for exact positioning.
- ✦ Clear indication of size and control mark for arm circumference.
- ✦ Extra thick, 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.

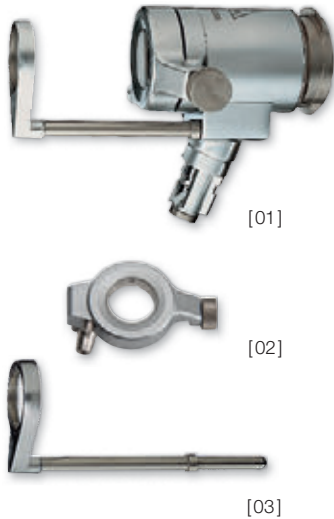
GAMMA C3

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 113.

- ∴ **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]	<b>E-003.18.100</b>
without viewing window and swivel lens	<b>E-003.18.098</b>
Viewing window only [02]	<b>E-003.18.099</b>
Swivel lens 1.5x, only (for sigmoidoscopes) [03]	<b>E-003.18.096</b>
same, but 1.8x (only suitable for proctoscopes and anoscopes)	<b>E-003.19.099</b>

## 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	<b>E-003.19.925</b>
Box of 100 (4 packs of 25) anoscopes	<b>E-003.19.911</b>

### UniSpec Disposable Proctoscopes (130 x 20 mm)

Pack of 25 disposable proctoscopes	<b>E-003.19.825</b>
Box of 100 (4 packs of 25) proctoscopes	<b>E-003.19.811</b>

### UniSpec Disposable Sigmoidoscopes (250 x 20 mm)

Pack of 25 disposable sigmoidoscopes	<b>E-003.18.825</b>
Box of 100 (4 packs of 25) sigmoidoscopes	<b>E-003.18.811</b>

⊗: Single use only.

### HEINE Anoscope/Proctoscope Illumination Head



[01]

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

**PHASE-OUT**

• **Wide range of tubes with either direct or 90° direction of view available.**  
Many different diagnostic and treatment methods are possible.

• **Tubes can be rotated through 360°.** Select the ideal position for treatment or examination.

• **Viewing window and swivel lens both offer 2x magnification.**  
High-resolution image.

• **Smooth, rounded surface.** Easy to clean. F.O. version can be cleaned with conventional disinfectants.



[02]



[03]

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

Spare parts are still available on request.

### Tubes with straight direction of view

**Anoscope/Proctoscope with proximal illumination.**

• **Distal end of tube angled.** Assures a good view and easy access with instruments.

• **All-metal construction.** Easy to clean and disinfect with conventional solutions.

**PHASE-OUT**

Tubes with straight direction of view



60x22mm

120x22mm

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

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

**Proctoscope with proximal illumination.**

• **Polished metal viewing mirror.** Tough, unbreakable.

• **End piece with mirror detachable.** Easy to clean, disinfect or sterilize.

**PHASE-OUT**

Proctoscope Tubes



100x20mm



130x25mm

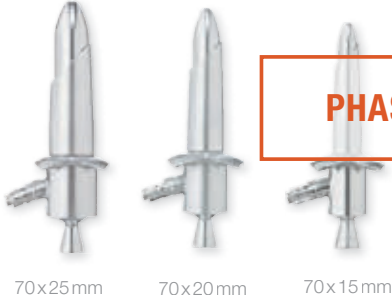
Proctoscope tube, 90° direction of view, 130mm x 25mm dia.	<b>E-000.19.105</b>
Proctoscope tube, 90° direction of view, 100mm x 20mm dia.	<b>E-000.19.114</b>



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

HEINE F.O. Anoscopes with annular Fiber Optic Illumination

Illumination by Fiber Optic cable and projector or 3.5V BETA handle with illumination adaptor see accessories on page 113.



70x25mm

70x20mm

70x15mm

**PHASE-OUT**

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

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

## HEINE F.O. Proctoscopes with Distal Annular Illumination



**PHASE-OUT**

Illumination by Fiber Optic cable and projector or 3.5V BETA handle with illumination adaptor see accessories on page 113.

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

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

Spare parts are still available on request.



HEINE F.O. Sigmoidoscopes with Distal Annular Illumination

Illumination by Fiber Optic cable and projector or 3.5V BETA handle with illumination adaptor see accessories on page 113.



**PHASE-OUT**

- ⚡ Available in various sizes: 300 x 20 mm, 250 x 20 mm, 200 x 20 mm, 250 x 16 mm, 200 x 11.4 mm. Sizes suitable for most patients of all ages.
- ⚡ Distal annular Fiber Optic (F.O.) illumination. Bright, reflex-free illumination.
- ⚡ Swivel lens with 1.5x magnification. High-resolution image.
- ⚡ Opening viewing window with insufflation port. Vision can be improved by insufflation.
- ⚡ Graduated in cm. Indication of insertion length.
- ⚡ Plastic end-piece. Insulated.
- ⚡ End-piece can be unscrewed. Easy to clean and disinfect with conventional solution.
- ⚡ Stainless steel. Durable.

Sigmoidoscope	F.O.
300 x 20 mm dia. with obturator, viewing window, swivel lens and end-piece [01]	E-003.18.230
End-piece, only	E-003.18.095
250 x 20 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.225
End-piece, only	E-003.18.095
200 x 20 mm dia. with obturator, viewing window, swivel lens and end-piece	E-003.18.220
End-piece, only	E-003.18.095
250 x 16 mm dia. with obturator, viewing window, swivel lens and end-piece [02]	E-003.18.525
End-piece, only	E-003.18.088
200 x 11.4 mm dia. with obturator, viewing window and swivel lens [03]	E-003.18.240
End-piece, only	E-003.18.094
Viewing window, only [04]	E-003.18.099
Swivel lens 1.5x, only [05]	E-003.18.096



Spare parts are still available on request.



### 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	<b>E-000.18.105</b>
-------------------------	---------------------

Disposable Hygiene Filters 25 pcs/pack	<b>E-000.18.116</b>
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### Sponge Holder



- High quality design in stainless steel.

**PHASE-OUT**

Sponge holder 400mm working length	<b>E-000.18.906</b>
------------------------------------	---------------------

### 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.

<b>Illumination adaptor</b>	<b>3.5V XHL</b>
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Illumination adaptor	<b>X-002.98.002</b>
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XHL Xenon Halogen spare bulb	<b>X-002.88.078</b>
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## Sigmoidoscope/Proctoscope Kit RE 7000



Set complete with: **Instrument head** for UniSpec Disposable Tubes with viewing window and swivel lens 1.5x  
 Pack of 25 UniSpec Sigmoidoscope Tubes 250 mm  
 Pack of 25 UniSpec Proctoscope Tubes 130 mm  
 Pack of 25 UniSpec Anoscope Tubes 85 mm  
 Double bulb insufflator  
 F.O. Projector HK 7000, 150W  
 Fiber Optic cable

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

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

## 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 250 mm  
 Pack of 25 UniSpec Proctoscope Tubes 130 mm  
 Pack of 25 UniSpec Anoscope Tubes 85 mm  
 Double bulb insufflator  
 Illumination adaptor  
 Connecting cord 2 m  
 BETA4 USB Rechargeable Handle with  
 E4-USB Medical approved plug-in power supply

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



**Let  
there  
be  
LIGHT.**



## HEINE EL 10 LED® Examination Light

### A real highlight in all respects with LED<sup>HQ</sup> illumination

**LED<sup>HQ</sup>**  
LED NOW 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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<sup>HQ</sup>

**LED<sup>HQ</sup>**  
LED NOW 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<sup>HQ</sup>.** 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<sup>HQ</sup>.**
- ∴ **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)

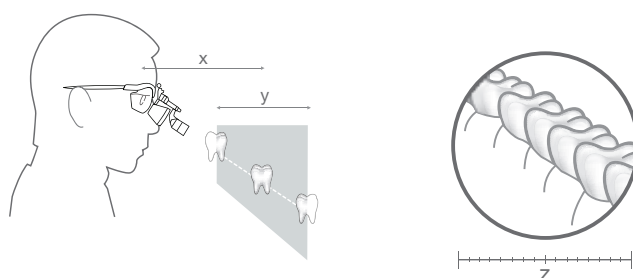
The distance, at which the optics of a loupe are sharply-focused.

#### ∴ 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"> <li>• 2.5x/340mm</li> <li>• 2.5x/420mm</li> <li>• 2.5x/520mm</li> </ul>	<ul style="list-style-type: none"> <li>• 3.5x/420mm</li> <li>• 4x/340mm</li> <li>• 6x/340mm</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3x/340mm</li> <li>• 2.3x/450mm</li> </ul>
Mounting options	<ul style="list-style-type: none"> <li>• S-FRAME Spectacle Frame [01]</li> <li>• Professional L Headband [02]</li> </ul>	<ul style="list-style-type: none"> <li>• S-FRAME Spectacle Frame [01]</li> <li>• Professional L Headband [02]</li> </ul>	<ul style="list-style-type: none"> <li>• Lightweight Headband [04]</li> <li>• Simple Metal Frame [05]</li> </ul>
Further articles	<ul style="list-style-type: none"> <li>• Protective Lenses</li> <li>• Close-up Lenses (To reduce the working distance from 350mm to 250mm)</li> <li>• LoupeLight2 [03] (Pages 129 / 130)</li> </ul>	<ul style="list-style-type: none"> <li>• Protective Lenses</li> <li>• LoupeLight2 [03] (Pages 129 / 130)</li> </ul>	<ul style="list-style-type: none"> <li>• Protective Lenses</li> </ul>
Features	<ul style="list-style-type: none"> <li>• i-View Function*</li> <li>• Modular</li> <li>• Water-resistant</li> <li>• Achromatic Optics</li> <li>• Optional Prescription Correction</li> </ul>	<ul style="list-style-type: none"> <li>• i-View Function*</li> <li>• Modular</li> <li>• Water-resistant</li> <li>• Achromatic Optics</li> <li>• Optional Prescription Correction</li> </ul>	<p>–</p>
Catalogue page	122 – 123	124 – 125	126

\*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

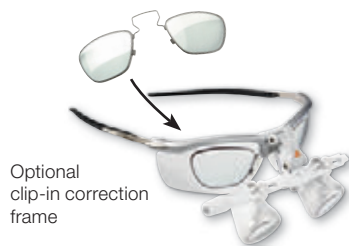


#### HR 2.5x Optics with i-View

- ∴ **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

HR 2.5x Sets with i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

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

For details of accessories and LoupeLight2 see pages 128 – 130.



## 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
<b>Set A:</b> 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
<b>Set B:</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
<b>Set C (without S-GUARD):</b> HRP optics with i-View on Professional L Headband Protective lenses 2 sterilisable swivel levers	C-000.32.840	C-000.32.841	C-000.32.842

For details of accessories and LoupeLight2 see pages 128 – 130.



## 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

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	



**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	



**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	



## HEINE Binocular Loupes Accessories

## Ordering Information



[01]



[02]

**PHASE-OUT****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

Cleaning fluid for lenses, pack of 2

C-000.32.542



## HEINE LoupeLight2

### Compact LED<sup>HQ</sup> Headlight – now even brighter

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.



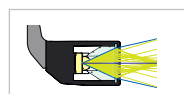
- ⌘ **There's LED. And there's LED<sup>HQ</sup>.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED<sup>HQ</sup>.**
- ⌘ **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

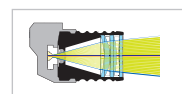
Illumination	Typ. 55 000 Lux*
Colour Temperature	Typ. 4 000 Kelvin
LED Operating Life	Typ. 50 000 hours
Spot Size	The illuminated field is designed to complement the HR/HRP loupes. 81 mm dia. at 420mm, 95 mm dia. at 520mm working distance
Angle of Declination	Stepless and individually adjustable for 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 133 and 153.**



## 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 133 and 153. 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<sup>HQ</sup>



LED<sup>HQ</sup>



	MicroLight2	ML4 LED HeadLight	MD 1000 Headlight
Illumination	LED <sup>HQ</sup>	LED <sup>HQ</sup>	F.O.
Light intensity*	typ. 55,000 Lux	typ. 90,000 Lux	typ. 35,000 Lux with HK 7000 Projector
Colour temperature (Kelvin)	typ. 4,000K	typ. 5,500K	typ. 3,300K with HK 7000 Projector
Spot size*	81 mm	30 – 80 mm	40 – 150 mm
Power sources / operating time	• mPack mini / typ. 9 hours	• mPack UNPLUGGED / typ. 3,5 hours • mPack / typ. 8,5 hours	• F.O. Projector
Weight	• 80g with S-FRAME Spectacle Frame • 190g with Lightweight Headband	• 260g • 460g with mPack UNPLUGGED	• 435g
Angle of declination	Fully-adjustable	Fully-adjustable	Fully-adjustable
Brightness control	0 – 100%	0 – 100%	0 – 100%
Features	<ul style="list-style-type: none"> <li>• Waterproof</li> <li>• Optional Yellow Filter</li> <li>• Head- or Spectacle-worn</li> </ul>	<ul style="list-style-type: none"> <li>• Adjustable Spot Size</li> <li>• Optional Yellow Filter</li> <li>• Polarisation Filter</li> <li>• Expandable with HR and HRP Loupes</li> <li>• Head-worn</li> </ul>	<ul style="list-style-type: none"> <li>• Adjustable Spot Size</li> <li>• Expandable with HR and HRP Loupes</li> <li>• Head-worn</li> </ul>
Catalogue page	132 – 133	134 – 137	138

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



## HEINE MicroLight2

### Compact LED<sup>HQ</sup> Headlight – now even brighter



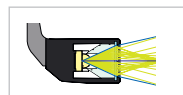
- ∴ **There's LED. And there's LED<sup>HQ</sup>.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED<sup>HQ</sup>.**
- ∴ **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

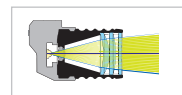
Illumination	Typ. 55 000 Lux*
Colour Temperature	Typ. 4 000 Kelvin
LED Operating Life	Typ. 50 000 hours
Weight	80g together with S-FRAME, 190g together with Lightweight Headband
Angle of Declination	Stepless and individually adjustable for every examination
Operating Time	Typ. 9h with mPack mini (in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



- ∴ **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 153.**

HEINE MicroLight2

Ordering Information



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]	<b>J-008.31.276</b>
on Lightweight Headband with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer with USB cord, connecting cord, in case [02]	<b>J-008.31.277</b>
Detachable Yellow Filter [03]	<b>C-000.32.241</b>
Connecting cord SC1 (1,5m/Ø 2,4 mm) for MicroLight2 / mPack mini [04]	<b>C-000.32.240</b>
Connecting cord SC2 (1,5m/Ø 3,2 mm) for MicroLight2 / mPack mini [05]	<b>C-000.32.243</b>



## HEINE ML4 LED HeadLight

### Ultra bright coaxial LED<sup>HQ</sup> illumination

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.

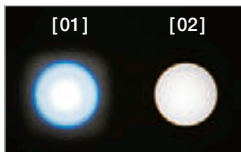


- ⌘ **There's LED. And there's LED<sup>HQ</sup>.** HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED<sup>HQ</sup>.**
- ⌘ **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

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



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

### 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 152.

#### ⌘ 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

**LED**  
LED NOW IN HEINE QUALITY.



**ML4 LED HeadLight with Professional L Headband**

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

Power supplies may deviate in size and shape.

**ML4 LED HeadLight accessories**

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





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



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



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



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



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 <b>HR</b> Binocular Loupe	2.5x/340mm	<b>J-000.31.370</b>
with HR Binocular Loupe	2.5x/420mm	<b>J-000.31.371</b>
with HR Binocular Loupe	2.5x/520mm	<b>J-000.31.365</b>
with <b>HRP</b> Binocular Loupe	3.5x/420mm	<b>J-000.31.372</b>
with HRP Binocular Loupe	4x/340mm	<b>J-000.31.373</b>
with HRP Binocular Loupe	6x/340mm	<b>J-000.31.374</b>

5 Sterilisable Swivel Levers for i-View loupe mount for ML4 LED HeadLight [01]	<b>C-000.32.399</b>
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Power Sources



[01]



[02]



[03]

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

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



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



- ∴ **Compact, high-tech optics** for homogeneous, coaxial, exceptionally-bright illumination.
- ∴ **Ultra-light, highly-flexible fiber optic cable** with gown clips, length 3 m.
- ∴ **Height and angle of illumination adjustable by a single control.**
- ∴ **Lightweight, flexible Professional L Headband:** Adjustable for height and width with detachable soft leather forehead cushion.
- ∴ **Adjustable light spot** with sterilizable lever.
- ∴ **Can be combined with HEINE HR and HRP Binocular Loupes** for magnification from 2.5x – 6x.
- ∴ **Can be fitted with a CCD camera.**
- ∴ **Light source: HK 7000 F.O. Projector\*.**

### Technical Specification

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

### MD 1000 F.O. Headlight

with Professional L Headband*	<b>J-003.31.231</b>
-------------------------------	---------------------

\*Light Source: HK 7000 F.O. Projector. Please order separately, see pages 160.

**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**

### 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.



[01]

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

#### 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.



[02]

[01]

	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	<b>X-007.99.388</b>
Li-ion rechargeable battery for BETA4 rechargeable handle	<b>X-007.99.383</b>
BETA4 USB bottom insert	<b>X-002.99.395</b>
USB Cord [01] with E4-USB plug-in power supply [02]	<b>X-000.99.303</b>
E4-USB Medical approved plug-in power supply [02]	<b>X-000.99.305</b>
BETA Belt Clip	<b>X-000.99.008</b>

## 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.

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

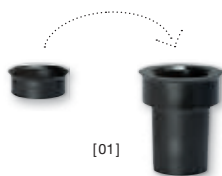
## HEINE NT4 Table Charger



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.



<b>NT4 table charger</b>	
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).	<b>X-002.99.494</b>
Adaptor set (two pieces) for BETA4 SLIM NT rechargeable handles and F.O.4 SLIM NT laryngoscope rechargeable handles [01]	<b>X-000.99.086</b>

- ∴ **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.



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



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

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



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.

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



## 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.
- ∴ **NEW! The EN 200-1.** As an add-on or if only a single instrument is needed. [01] For further information, please see page 146.

## 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, <b>BETA 400 LED F.O. Otoscope,</b> <b>BETA 200 LED Ophthalmoscope [01]</b>	<b>LED</b> A-095.12.218
with EN 200 Wall Transformer, <b>BETA 400 F.O. Otoscope,</b> <b>BETA 200 Ophthalmoscope</b>	<b>XHL</b> A-095.12.214
with EN 200 Wall Transformer, <b>BETA 200 LED F.O. Otoscope,</b> <b>BETA 200 LED Ophthalmoscope</b>	<b>LED</b> A-095.12.219
with EN 200 Wall Transformer, <b>BETA 200 F.O. Otoscope,</b> <b>BETA 200 Ophthalmoscope</b>	<b>XHL</b> A-095.12.215
with EN 200 Wall Transformer, <b>K180 F.O. Otoscope,</b> <b>K180 Ophthalmoscope</b>	<b>XHL</b> 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	<b>K-010.28.252</b>



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

\* without instruments



[07]



[08]



[09]

### 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.

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

### 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.

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



All non-rechargeable mini handles are fitted with batteries (IEC LR 6 AA size). 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.

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	<b>X-095.16.330</b>
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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<sup>HQ</sup> illumination.

HC 50L Headband Rheostat	6V
HC 50L Headband Rheostat (without plug-in transformer and connecting cord) [01]	<b>X-095.16.325</b>
Plug-in transformer for HC 50L Headband Rheostat [02]	<b>X-095.16.330</b>
Connecting Cord Cinch to EN 50 charger/mPack/plug-in transformer for HC 50L, 1,6m [03]	<b>X-000.99.667</b>



[02]



[03]

Power supplies may deviate in size and shape. 230V is the standard mains voltage. If a different voltage is required, e. g. 120V, please specify when ordering.



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

HEINE mPack UNPLUGGED

Headband-mounted rechargeable battery

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



- ∴ **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.**

[01]



[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



- ∴ **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.



[01]

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



[02]



[03]

Li-ion rechargeable battery for mPack	<b>X-007.99.676</b>
Plug-in transformer for mPack [02]	<b>X-095.16.315</b>
Plug-in 90° Angled Adaptor (for EN 50 Charger/mPack) [03]	<b>C-000.33.509</b>

## Wall-/Table-Transformer HEINE EN 50

### Modular Power Supply System/charger



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]	<b>X-095.17.301</b>
Rheostat Control Module for EN 50 [02]	<b>X-095.17.305</b>
EN 50 Base unit (without Rheostat Control Module) [03]	<b>X-095.17.300</b>



Plug-in 90° Angled Adaptor (for EN 50/mPack without instrument support) [04]	<b>C-000.33.509</b>
Instrument support for Headband	<b>C-000.33.511</b>



HEINE mPack mini

Power source for LoupeLight2/MicroLight2 and SIGMA 250



[01]

- ∴ **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 101mm 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



[02]



[03]



[04]



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

<b>Indirect Ophthalmoscopes</b>		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**

		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**

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

\* projector no longer available

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



The F.O. Projector HK 7000 incorporates a special long-life halogen bulb rated at 150 Watts. If more light is needed for a particular examination, a boost switch can be operated, giving up to 40% more light. Suitable for all HEINE Systems with fiber optic illumination. Dimensions: Width 177 mm, Height 125 mm, Depth 217 mm. Weight 3,690g.

- ∴ **Powerful halogen bulb.** For maximum brightness.
- ∴ **Aspheric illumination optics.** Intense light with high colour temperature.
- ∴ **Continuous light intensity adjustment without colour temperature changes.** Allows brightness reduction with no red shift of light.
- ∴ **Boost switch.** Gives up to 40% more light.
- ∴ **Extended bulb life** of typ. 300 hours.
- ∴ **Folding handle.** Easy to transport.
- ∴ **For desk, wall, or wheeled stand.** Adaptable to individual needs.

### F.O. Projector HK 7000

150W XHL Halogen spare bulb and fuse included	<b>Y-096.15.121</b>
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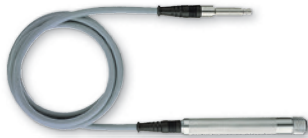
Spare fuse	<b>Y-096.15.110</b>
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XHL Halogen spare bulb 150W	<b>Y-096.15.102</b>
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Wall support for HK 7000	<b>Y-096.15.105</b>
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## Standard Fiber Optic (F.O.) Cable for HEINE Fiber Optic Projectors

### For use with HEINE Fiber Optic Instruments



Fiber optic cable with handle for use with HEINE Fiber Optic Instruments and F.O. Projectors, for example the Instrument Head for disposable UniSpec tubes and the reusable F.O. Anoscope/Proctoscope Illumination Head, F.O. Anoscopes, Proctoscopes and Sigmoidoscopes. Length incl. handle: 180cm.

- ∴ **4 mm dia. fiber bundle of high quality.** Outstanding light transmission. Highly flexible cable.
- ∴ **Inner metal sheathing.** Resistant to kinking.
- ∴ **Smooth outer plastic sheathing.** Easy to clean.

Standard Fiber Optic cable	<b>Y-003.99.518</b>
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## Wheeled Stand



Suitable for all HEINE Fiber Optic projectors and for projectors of other manufacturers. Dimensions: Height 900mm, weight 3,500g. Base-plate: Width 180mm, height 150mm, depth 240mm

- ∴ **5 legs with 60 cm wide base.** Ensures stability.
- ∴ **2 wheel brakes.** Holds the stand securely in position.

Wheeled stand – without base-plate	<b>Y-096.50.001</b>
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Wheeled stand – with base-plate	<b>Y-096.50.002</b>
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How to  
bring  
**STRUCTURE**  
to your  
**LIFE.**



## HEINE Cases

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

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]

**Case** for Indirect Ophthalmoscope Set C-281  
(400 mm x 300 mm x 105 mm) [11]

**C-160.00.000**



[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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## HEINE – Simply the best guarantee in the market!

HEINE offers you a guarantee which reflects the quality and reliability of our products. All products conform to the European Directive 93/42/EEC or the Medical Devices Regulation (MDR) concerning medical devices. They carry the **CE** mark.

### Standard 5 Year Parts and Labor Guarantee

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](http://www.heine.com).

## Product-related guarantee conditions:

**HEINE iC1 Dermatoscope and HEINE iC2 Funduscope.** HEINE grants a 5 year guarantee only if the product has been purchased through an authorized dealer and is registered within 6 months from the date of purchase. To register please go here [www.heine.com/en\\_GB/register/](http://www.heine.com/en_GB/register/). The guarantee provides coverage against defects in design, materials and workmanship. Rechargeable battery and mobile phone case are not included in this guarantee.

**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 Modular+ 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 EN 200 BP Automatic Digital Sphygmomanometer.** HEINE grants a 5 year guarantee on the measurement system. Wear parts and metrological control are not included.

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

## Trademark



AllSpec  
BETA  
DELTA  
FlexTip  
GAMMA  
HEINE  
HEINE AllSpec  
HEINE BETA  
HEINE Easyclean  
HEINE EL10 LED  
HEINE OMEGA  
HEINE SIGMA  
HEINE XHL  
HEINE XHL Halogen  
mini3000  
OMEGA  
ParaStop  
SANALON  
SIGMA  
UniSpec  
XHL

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

BETA400  
EN50/mPack  
EN50 UNPLUGGED  
GAMMA G  
i-View  
LED Laryngoscope Handle  
LoupeLight 2  
miniNT  
mini2Z Battery  
mini3000 Battery Handle  
mPack UNPLUGGED  
SIGMA250  
Stepless dimming  
XP Handle Shell

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As a global leader in the manufacture of primary diagnostic instruments with over 500 employees, HEINE Optotechnik has been a 100% family owned and managed company for more than 70 years. We continue to develop and manufacture HEINE instruments at our facilities in Germany, where we combine decades-long experience and craftsmanship with the most modern manufacturing technologies.

We are represented in over 120 countries around the world, with subsidiaries in Australia, the US and Switzerland as well as 3,000 representatives, importers and specialist dealers.

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



■ HEINE SUBSIDIARY COMPANIES & REPRESENTATIVES

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