

HEINE

MASTER CATALOGUE | MEDICAL

2019



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

QUALITY
Durability
Performance
Function



GENERAL MEDICINE AND ENT INSTRUMENTS

OPHTHALMIC INSTRUMENTS

LARYNGOSCOPES

DERMATOSCOPES

SPHYGMOMANOMETERS AND STETHOSCOPES

PROCTOLOGICAL INSTRUMENTS

EXAMINATION LIGHTS

LOUPES AND HEADLIGHTS

LIGHT AND POWER SOURCES

CASES

**What's
NEW?**

**What's
DIFFERENT?**

Just as we do every year, we'd like to kick off the new catalogue by highlighting the novelties.

On the first few pages, we talk about our patent for dimmable BETA LED^{HQ} instrument heads, but also address topics which are very important to us, such as quality, in-house production inside Germany, the differences between conventional LED and LED^{HQ}, and the environment.

And thus provide you with good arguments for HEINE primary diagnostic instruments.

NEW

The EasyClean LED Laryngoscope Handle is now joined by a short and a slim counterpart, completing the range of EasyClean handles: SHORT and SLIM now complement the Standard size and all three are still the only waterproof laryngoscope handles around the world* (page 086).

The new iC 2 Charger for the iC 2 Funduscope is the world's first inductive charging station to receive approval for a medical product. You can now set it down and charge in one step. Another cable less (page 067).

The iPhone 8 now has a case of its own, too**, and can be used with the iC 2 Funduscope, iC 1 Dermatoscope and NC2 Dermatoscope instruments without any issues (pages 067, 094, 095).

mPack mini: the new belt clip makes it work even better. The small rechargeable battery is now safely secured directly on your belt or in your coat pocket (page 150).

A film says more than a thousand words. There are two new films for the OMEGA 500: one version showcases the extensive range of accessories, whilst the other focuses on the functions and many different applications of the OMEGA 500 (page 069). We've also shot a film for the iC 2 Funduscope which demonstrates everything, from commissioning to taking advantage of the benefits provided by this mobile, digital funduscope (page 067). There's a film about the aspherical optical system (AOS) in English, which is available exclusively for HEINE's direct ophthalmoscopes (page 050/051). The new film about our LED^{HQ} is also in English and can be found as a QR code on the LED^{HQ} double page.

EN200 Diagnostic Centre: even tidier and even lower energy consumption.

The updated Diagnostic Centre now offers new sets and requires, on average, nearly 60 % less power than its predecessor. The cuff of the GAMMA XXL LF-WB set is now conveniently stored in the basket below (page 153).

Dermatoscopes now preassembled. Well thought-out: there are now three kits featuring preassembled dermatoscopes with just one item number, offered without a case or accessories. And finally, we have made some slight changes to the layout of the dermatoscopes section (pages 091 ff.).

* Last updated 10/2018.

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Our PROMISE: QUALITY.

Quality has been the benchmark for our activities since the first day. HEINE Optotechnik has four basic principles which the company still observes to this day. And they all revolve around quality:

First: Do something important and thus make a meaningful contribution to society. Second: Always build the best product. Third: Produce the entire product yourself, if it is critical to manufacturing the best quality. And fourth: Remain independent, so that you can always make the right long-term decisions.

Because we continue to embrace these principles to this day, quality isn't a meaningless term at HEINE, but rather is defined in three dimensions: performance, function and durability.

PERFORMANCE

Diagnostic performance takes top priority with our instruments – they should support the earliest and most accurate diagnosis possible. That's because many medical examinations focus first on early detection of diseases and second on implementing the right therapy with the most precise diagnosis possible.

FUNCTION

Our instruments can be adjusted to offer optimal results in every examination situation. For instance, the doctor can adjust our OMEGA 500 to always achieve the best image for every pupil size, whether large or small.

DURABILITY

As a premium supplier, we ensure that our quality concept is also defined by product durability – which is not necessarily a given in this day and age. If a HEINE instrument is used correctly, it will continue to work just as well as on the first day for many years to come. And that's with the same level of performance and reliability as the day it came out of the box. There's good reason why HEINE offers a guarantee of five years on the materials and craftsmanship of all products.*

Each diagnostic instrument is developed with this three-part quality promise in mind from the very start. And every HEINE instrument is put through its paces, with a key focus on these three quality dimensions.

All HEINE instruments are also technically advanced and boast extreme precision and an ergonomic design.

In reality, we not only strive for quality, but also demand the very best quality possible of ourselves. And that's what makes us and our diagnostic instruments so unique.

HEINE **QUALITY**
MADE IN GERMANY



*The only exception is the HEINE Cube, which comes with a two-year guarantee.

**If you want
something to be
done truly
PERFECTLY,
then you
need to do it
YOURSELF.**

The HEINE maxim from the very start. For example, all products are developed and elaborated in our own research and development department. That's because we firmly believe that it's always better to define quality criteria yourself than to have them defined by suppliers.

We manufacture many components ourselves, including housings, handles, branding, surface finishes, cables and lighting – and, of course, our precision lenses. That's the only way to ensure that the results are as perfect as we want them to be. We manufacture around 85 per cent of all instrument parts at our own production facilities – that's an extremely high level in German industry.

For example, we coat our laryngoscope blades with our own electroplating – using a six-stage process. The result is an exceptionally smooth, pore-free chrome finish which is extremely durable and easy to clean. In addition to the highly resistant illumination, this forms the basis for the most comprehensive guarantee available on the market.

But even our lenses we make ourselves: as a result, they offer a level of quality which has yet to find its peer around the world. We produce lenses using state-of-the-art CNC machines with a precision of ± 0.0001 mm, which is 20 times less than the diameter of a human hair.

But it's only in this way that we can achieve the level of durability that we expect, alongside precision and perfection.



There's LED. And there's LED^{HQ}

Regardless of the type of medical examination, nothing is more important than unambiguous diagnosis – as early as possible and with maximum precision. And that requires the best illumination possible. LED is establishing itself in more and more applications, but not all LEDs are equal.

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 a colour rendering index as high as possible.

That's what we call LED in HEINE Quality – or LED^{HQ}.

We have three corresponding criteria.



HEINE LED^{HQ}
film



1. ILLUMINATION

Every HEINE instrument with LED^{HQ} is developed in such a way that it delivers optimal illumination for the application in question. Depending on the application, the instrument is either preset or the brightness can be steplessly adjusted.

At the same time, the light of the LED^{HQ} is homogenous and evenly distributed across the entire field of view.

The result is even illumination up to the outer areas, without disturbing reflections, shadows, bright or dark spots.



Conventional LED

HEINE LED^{HQ}

2. EXCELLENT IMAGE

The colour rendering index (CRI) shows how accurately colours are portrayed compared with the benchmark of daylight. The closer this value is to the maximum of 100, the more accurate the illumination system, which means that colours are shown in their natural state. Red is red, blue is blue. HEINE LED^{HQ} instruments achieve exceptionally high CRI values in order to ensure that the user sees the colours as they are during each examination – for absolutely reliable and precise diagnosis.



Conventional LED

HEINE LED^{HQ}

3. OPERATING LIFE

Thanks to special thermal management based on the use of special materials such as ceramics, heat-conducting foils and aluminium heat sinks, the LED^{HQ} always operates in the optimal temperature range, guaranteeing consistently good performance and an almost unlimited operating life.

As a result, our LED^{HQ} instruments are virtually maintenance-free, as there's no longer a need to replace the light source. The high efficiency of the LED^{HQ} and its low energy consumption also extend operating time and battery life and thus contribute to the life-cycle assessment of our instruments.



Another

PATENTLY

ingenious idea:

LED^{HQ} heads

offer stepless

dimming between

3 and 100%

You may call it 'obsessed with details'. We call it 'in love with details'. That's why we've put lots of IQ into the dimmability of the LED^{HQ} instrument heads once more. The result is that our LED^{HQ} reduces fatigue, as the brightness of all dimmable instrument heads can be continuously adjusted between 3 and 100%, without even a hint of flickering. Exclusively at HEINE.

The patent office assessed the continuous brightness adjustment and provided us with the patent featuring number US 9839086 in early 2018. But they're a little 'in love with details' there, too.



GREEN.

The role of environmental footprints is becoming more and more important in medical technology, too, whether it's in production, throughout the operating life of a product, or disposal. Needless to say, this topic is also important to us – and has been for many years. Allow us to provide a few examples that reveal how we think and act.

Is there an eco-friendlier product than a long-lasting product? And that applies to all our products, ranging from laryngoscope systems, otoscopes, loupes and lights to sphygmomanometers, ophthalmoscopes, stethoscopes and dermatoscopes.

And it's no different for the repair service, which kicks in quickly and reliably on those rare occasions that part of a HEINE instrument breaks. Spare parts are available for at least ten years, though we've also been known to repair instruments that have been in use for three, four or even five decades.

In addition to replacement costs, a long operating life also reduces any additional material extraction, energy consumption and disposal, which in turn benefits the environment.

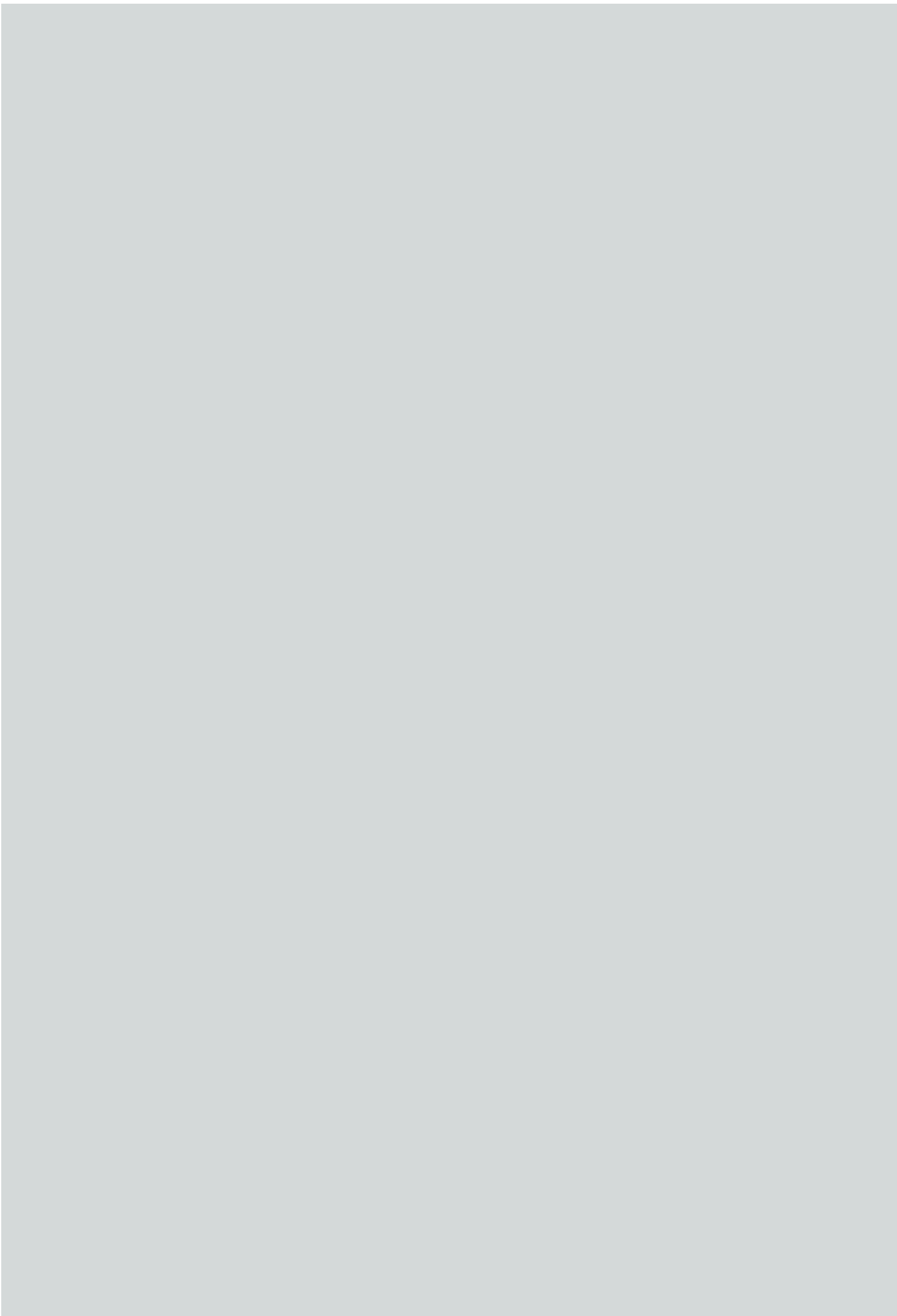
For us, 'Made in Germany' also means 'Buy in Germany'.

We purchase materials regionally if at all possible. 96 % of what we purchase comes from Germany, including 58 % from Bavaria and Baden-Württemberg – quite simply to minimise the energy consumption resulting from transport. In other words: Think globally, act locally.

We're less eager to save on the performance of our instruments, preferring instead to save on their energy consumption. We've updated the EN200 Diagnostic Centre, so that it now offers more than its predecessor, but typically consumes nearly 60 % less energy.

We may be orange through and through, but we tend to be more and more green in our thinking and acting.





**BETTER
illumination.
HIGHER
colour fidelity.
MORE
magnification.
NO
DOUBTS.**





HEINE Otoscopes



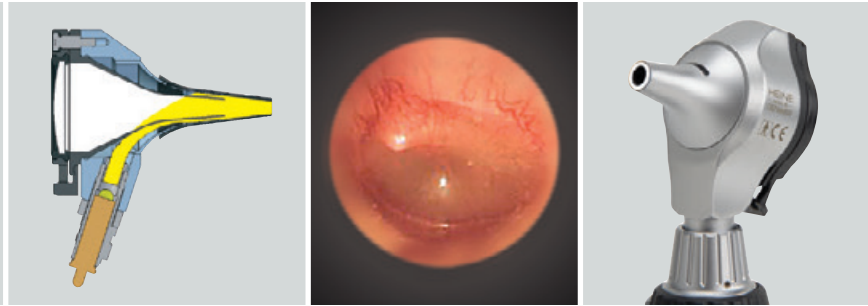
BETA400 F.O. BETA200 F.O. K 180 F.O. mini3000 F.O. BETA 100 K 100 mini3000

| | Housing construction | | | | | | |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Metal | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Polycarbonate | | | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| | Viewing window | | | | | | |
| Glass | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Acrylic | | | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3x magnification | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.2x magnification | <input type="checkbox"/> | | | | | | |
| | Illumination | | | | | | |
| LED F.O. illumination | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | | | |
| XHL F.O. illumination | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| XHL Direct illumination | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Instrument size | | | | | | |
| Professional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Compact | | | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| | Available power sources | | | | | | |
| Battery 2.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rechargeable battery 2.5V | | | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| Rechargeable battery 3.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | Tips | | | | | | |
| Reusable tips | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> |
| Reusable specula | | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| AllSpec disposable tips | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UniSpec disposable specula | | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| Tip adaptor | | | | | <input type="checkbox"/> | <input type="checkbox"/> | |
| | Insufflation bulb | | | | | | |
| Insufflation port | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Page | 019 / 020 | 022 | 024 | 025 / 027 | 0030 | 032 | 033 |

* with Tip adaptor

** Optional insufflation port connector available

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



HEINE BETA® 400 LED F.O. Otoscope

4.2x magnification with LED^{HQ} illumination



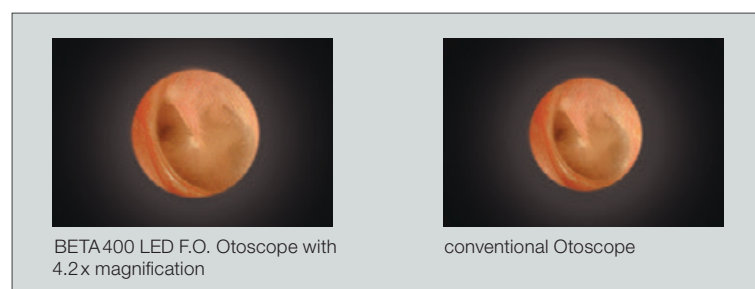
The otoscope has been designed with an all metal housing and scratch resistant glass lenses which guarantee a lifetime of maintenance-free use. LED with virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.



- EXCLUSIVELY AT HEINE**
- 4,2x Magnification
 - LED in HQ – Stepless dimmable
 - All-metal housing

- **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.
- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- **One hand operation.** The unique patented design allows the permanently attached optical system to be flipped open and out of the way, enabling instrumentation and ease of cleaning.
- **Integrated insufflation port** offers tympanic mobility testing without air leakage.
- **Full functionality of the BETA 400 LED is guaranteed with BETA Rechargeable Handles and the EN 100/EN 200 Wall Transformers.**

| BETA 400 LED F.O. Otoscope | LED |
|--------------------------------------|---------------------|
| with 4 reusable tips, without handle | B-008.11.401 |
| same, without tips, without handle | B-008.11.400 |



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

conventional Otoscope



HEINE BETA® 400 F.O. Otoscope

4.2x magnification with XHL illumination



BETA 400 F.O. Otoscope with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the BETA 400 LED F.O. Otoscope.

∴ **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.

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

HEINE ENT Diagnostic Sets

 with XHL or LED^{HO} illumination



Set complete with: **BETA 400 F.O. Otoscope in XHL or LED**

1 set (4 pcs.) of reusable tips (B-000.11.111)
5 of both AllSpec disposable tips 2.5 and 4 mm Ø
spare bulb for XHL version
hard case

| ENT Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | B-143.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | B-143.27.388 | B-143.28.388 |
| BETA 4 USB rechargeable handle | | B-143.27.387 | B-143.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | B-143.23.420 | B-143.24.420 |

HEINE Diagnostic Sets

with XHL or LED^{HO} illumination



Set complete with: **BETA400 F.O. Otoscope, BETA200 Ophthalmoscope both in XHL or LED,**
 1 set (4 pcs.) of reusable tips (B-000.11.111)
 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
 one spare bulb each for XHL version
 hard case

| Diagnostic Sets | 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 |

HEINE Diagnostic Kits

with XHL or LED^{HO} illumination



Kit complete with: **BETA400 F.O. Otoscope, BETA200 Ophthalmoscope both in XHL or LED,**
 1 set (4 pcs.) of reusable tips (B-000.11.111)
 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
 one spare bulb each for XHL version
 without hard case

| Diagnostic Kits | 3.5V XHL | LED |
|--|---------------------|---------------------|
| NEW! 2x BETA4 NT rechargeable handle with NT4 table charger | A-153.23.422 | A-153.24.422 |



HEINE BETA® 200 LED F.O. Otoscope

Sharpest images, perfect colour rendering and brightness in LED^{HQ}



- EXCLUSIVELY AT HEINE**
- 3x Magnification
 - LED in HQ – Stepless dimmable
 - All-metal housing

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.
- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- **Viewing window is permanently attached**, and swivels for instrument use and complete cleaning of the instrument head.
- **Integrated insufflation port** offers tympanic mobility testing without air leakage.
- **Full functionality of the BETA200 LED is guaranteed with BETA Rechargeable Handles and the EN100/EN200 Wall Transformers.**

| BETA200 LED F.O. Otoscope | LED |
|--------------------------------------|---------------------|
| with 4 reusable tips, without handle | B-008.11.501 |
| same, without tips, without handle | B-008.11.500 |

HEINE BETA® 200 F.O. Otoscope

Sharpest images, perfect colour rendering and brightness in XHL



BETA200 F.O. Otoscope with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the BETA200 LED F.O. Otoscope.

- **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.

| BETA200 F.O. Otoscope | 2.5V XHL | 3.5V XHL |
|--------------------------------------|---------------------|---------------------|
| with 4 reusable tips, without handle | B-001.11.501 | B-002.11.501 |
| same, without tips, without handle | B-001.11.500 | B-002.11.500 |

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

HEINE ENT Diagnostic Sets

with XHL or LED^{HO} illumination



Set complete with: **BETA200 F.O. Otoscope in XHL or LED**

- 1 set (4 pcs.) of reusable tips (B-000.11.111)
- 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
- spare bulb for XHL version
- hard case

| ENT Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | B-141.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | B-141.27.388 | B-141.28.388 |
| BETA 4 USB rechargeable handle | | B-141.27.387 | B-141.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | B-141.23.420 | B-141.24.420 |

HEINE Diagnostic Sets

with XHL or LED^{HO} illumination



Set complete with: **BETA200 F.O. Otoscope, BETA200 Ophthalmoscope both with XHL or LED,**

- 1 set (4 pcs.) of reusable tips (B-000.11.111)
- 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
- one spare bulb each for XHL version
- hard case

| Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | A-132.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | A-132.27.388 | A-132.28.388 |

HEINE Diagnostic Kits

with XHL or LED^{HO} illumination



Kit complete with: **BETA200 F.O. Otoscope, BETA200 Ophthalmoscope both with XHL or LED,**

- 1 set (4 pcs.) of reusable tips (B-000.11.111)
- 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
- one spare bulb each for XHL version
- without hard case

| Diagnostic Kit | 3.5V XHL | LED |
|--|---------------------|---------------------|
| NEW! 2x BETA 4 NT rechargeable handle with NT 4 table charger | A-132.23.422 | A-132.24.422 |



HEINE® K 180 F.O. Otoscope

The standard, all around Fiber Optic Otoscope



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

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

- ∴ **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.

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

HEINE® K 180 F.O. Diagnostic Sets



Set complete with: **K 180 F.O. Otoscope**
 1 set (4 pcs.) of reusable tips (B-000.11.111)
 soft pouch

| K180 F.O. Otoscope Sets | 2.5V XHL | 3.5V XHL |
|--|---------------------|---------------------|
| BETA battery handle | B-181.10.118 | |
| BETA4 USB rechargeable handle with USB Cord and plug-in power supply | | B-181.27.388 |
| BETA4 USB rechargeable handle | | B-181.27.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | B-181.23.420 |



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

| K180 Combined Diagnostic Sets | 2.5V XHL | 3.5V XHL |
|--|---------------------|---------------------|
| BETA battery handle | A-279.10.118 | |
| BETA4 USB rechargeable handle with USB Cord and plug-in power supply | | A-279.27.388 |
| BETA4 USB rechargeable handle | | A-279.27.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | A-279.23.420 |



HEINE mini3000® LED F.O. Otoscope

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

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



- ∴ Maintenance-free pocket instrument
- ∴ Bright LED illumination
- ∴ Typ. 10 hours operating time

- ∴ **Maintenance-free**, no need to ever exchange the LED.
- ∴ LED Thermal management for a **consistent light output throughout the whole working life**.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Twice as bright as** Xenon Halogen instruments.
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- ∴ **Operating time typ. 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.
- ∴ **For further technical specifications, please see mini3000 F.O. Otoscope with XHL illumination on page 027.**

| mini 3000 LED F.O. Otoscope | 2.5V LED |
|---|---------------------|
| with mini3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries | D-008.70.120 |
| with mini3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries | D-008.70.110 |
| with mini3000 rechargeable handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips (please order mini NT table charger separately) | D-008.70.301 |
| mini3000 LED F.O. Otoscope head without handle and without accessories | D-008.70.106 |
| Insufflation port connector for mini3000 F.O. Otoscopes | D-000.80.101 |



To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.



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

HEINE mini3000® LED F.O. Diagnostic Sets

LED
LED NOW IN HEINE QUALITY.



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

| | |
|---|---------------------|
| mini3000 LED F.O. Diagnostic Sets | 2.5V LED |
| with mini3000 battery handle with batteries | D-885.20.021 |



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

| | |
|--|---------------------|
| mini3000 LED F.O. Diagnostic Sets | 2.5V LED |
| with 2 mini3000 battery handles with batteries | D-886.11.021 |



Set complete with: **mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otoscope**,
mini NT table charger
5 each of 2.5 and 4 mm dia. AllSpec disposable tips

| | |
|--|----------------------|
| mini3000 LED F.O. Diagnostic Sets | 2.5V LED |
| with 2 mini3000 rechargeable handles | D-860.11.022* |

*with this Art. No. only available in black

HEINE mini3000® F.O. Otoscope

Compact pocket otoscope with XHL illumination



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

Modern pocket otoscope with XHL Xenon Halogen bulbs for bright illumination and accurate colour rendering. Unique design, compact and powerful. Can only be used with the mini3000 handle system. Available in black or blue.

- ∴ **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.
- ∴ **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.

| mini3000 F.O. Otoscope | 2.5V XHL |
|---|---------------------|
| with mini3000 battery handle, 1 set (4 pcs.) reusable tips and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries | D-001.70.120 |
| with mini3000 battery handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips, with batteries | D-001.70.110 |
| with mini3000 rechargeable handle and 5 of both 2.5 and 4 mm dia. AllSpec disposable tips (please order mini NT table charger separately) | D-001.70.301 |
| mini3000 F.O. Otoscope head without handle and without accessories | D-001.70.106 |
| XHL Xenon Halogen spare bulb | X-001.88.105 |
| Insufflation port connector for mini3000 F.O. Oscopes | D-000.80.101 |



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.

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



HEINE mini3000® F.O. Diagnostic Sets



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

| | |
|---|---------------------|
| mini3000 F.O. Diagnostic Sets | 2.5V XHL |
| with mini3000 battery handle with batteries | D-851.10.021 |



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

| | |
|--|---------------------|
| mini3000 F.O. Diagnostic Sets | 2.5V XHL |
| with 2 mini3000 battery handles with batteries | D-873.11.021 |

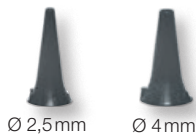


Set complete with: **mini3000 Ophthalmoscope, mini3000 F.O. Otoscope,**
 mini NT table charger
 5 each of 2.5 and 4 mm dia. AllSpec disposable tips

| | |
|--------------------------------------|----------------------|
| mini3000 F.O. Diagnostic Sets | 2.5V XHL |
| with 2 mini3000 rechargeable handles | D-859.11.022* |

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

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.



[01]



[02]

AllSpec Disposable tips (grey)
for BETA400, BETA200, K180, mini3000 F.O., mini3000 Oscopes

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



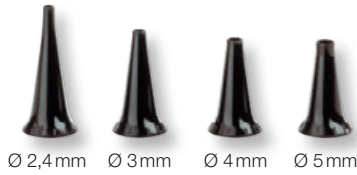
[03]

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

| | |
|--|---------------------|
| AllSpec Tip dispenser (2 x 45 tips) [03] | B-000.11.149 |
|--|---------------------|

⊗: Single use only.

Reusable Tips

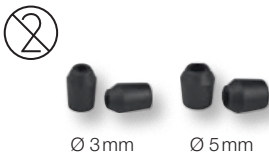


- ∴ For the most secure fit, best light transmission and hygiene, we recommend the use of **HEINE Otoscope Tips**.
- ∴ **Made of high-density SANALON S plastic with smooth external finish.** Easy to clean. Common germicides can be used. Autoclavable at up to 134 °C.
- ∴ **Ergonomic shape.** Painless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

| Reusable tips (black) | 1 piece | 50 pieces |
|--|--------------|--------------|
| for BETA400, BETA200, K180, mini3000 F.O., mini3000 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 SANALON S 2.4/3/4/5 mm dia. **B-000.11.111**

Soft Disposable Tips



- ∴ 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.

Insufflation Bulb

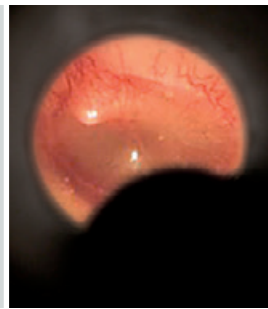
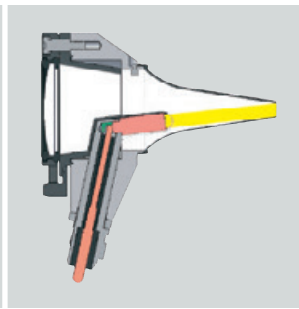


- ∴ For pneumatic testing.

| | |
|---|---------------------|
| Insufflation bulb for BETA400, BETA200 and K180 Oscopes | B-000.11.240 |
| Insufflation bulb for mini3000 F.O. Otoscope with connector | D-000.80.102 |
| Insufflation port connector for mini3000 F.O. Otoscope | D-000.80.101 |



Bright XHL Xenon Halogen direct illumination.



HEINE BETA® 100 Diagnostic Otoscope

Diagnostic Otoscope with an all-metal housing



An otoscope with direct Xenon Halogen illumination in an elegant all-metal instrument head. For use with reusable specula or UniSpec disposable specula. With tip-adaptor (B-000.11.306) it is also possible to use AllSpec disposable tips.

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

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



[01]

| BETA100 Diagnostic Otoscope | 2.5V XHL | 3.5V XHL |
|---|---------------------|---------------------|
| with 6 reusable specula, without handle | B-001.11.527 | B-002.11.527 |
| without specula, without handle | B-001.11.525 | B-002.11.525 |
| XHL Xenon Halogen spare bulb | X-001.88.037 | X-002.88.049 |
| Replacement aperture cover for bulb. Reduces reflexes. [01] | B-000.11.212 | |



HEINE BETA® 100 ENT Diagnostic Sets

Set complete with: **BETA100 Diagnostic Otoscope**

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

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

spare bulb

hard case

| BETA100 Oscope Sets | 2.5V XHL | 3.5V XHL |
|--|---------------------|---------------------|
| BETA battery handle | B-236.10.118 | |
| BETA4 USB rechargeable handle with USB Cord and plug-in power supply | | B-236.27.388 |
| BETA4 USB rechargeable handle | | B-236.27.387 |
| BETA4 NT rechargeable handle with NT4 table charger | | B-236.23.420 |

HEINE BETA® Diagnostic Set

Set complete with: **BETA200 Ophthalmoscope in XHL or LED,**
BETA100 Diagnostic Otoscope

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

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

one spare bulb each for XHL version

hard case

| BETA Diagnostic Sets | 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 USB rechargeable handle | | A-234.27.387 | A-234.25.387 |
| BETA4 NT rechargeable handle with NT4 table charger | | A-234.23.420 | A-234.25.420 |

*BETA100 Oscope with XHL illumination and BETA200 LED Ophthalmoscope with LED illumination.



HEINE® K100 Diagnostic Otoscope

Diagnostic Otoscope with a high-impact polycarbonate housing



∴ Polycarbonate construction

∴ Easy instrumentation



[01]

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

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

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

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

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

| | |
|--|---------------------|
| Replacement aperture cover for bulb [01] Reduces reflexes. | B-000.11.212 |
|--|---------------------|

HEINE® K100 ENT Diagnostic Sets



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

| K100 Otoscope Sets | 2.5V XHL |
|---------------------|---------------------|
| BETA battery handle | B-237.10.118 |

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



| K100 Otoscope Sets | 2.5V XHL | 3.5V XHL |
|--|---------------------|---------------------|
| BETA battery handle | B-245.10.118 | |
| BETA4 USB rechargeable handle with USB Cord and plug-in power supply | | B-245.27.388 |
| BETA4 USB rechargeable handle | | B-245.27.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | B-245.23.420 |



HEINE mini3000® Otoscope

Compact pocket otoscope with direct illumination



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

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

- ∴ **Instrument head matt-black inside.** Eliminates reflexes.
- ∴ **Enhanced XHL Xenon Halogen Technology with 100% more light compared with conventional bulbs.** Very bright, concentrated white light for perfect illumination.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **Viewing window with 3x magnification** and 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 miniNT table charger*.

| mini3000 Otoscope | 2.5V XHL |
|---|---------------------|
| with mini3000 battery handle and 1 set (4 pcs.) reusable tips and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries | D-001.70.220 |
| with mini3000 battery handle and 5 of both AllSpec disposable tips 2.5 and 4 mm dia., with batteries | D-001.70.210 |
| with bulb, without handle and without accessories | D-001.70.206 |
| XHL Xenon Halogen spare bulb | X-001.88.110 |



*To upgrade to a rechargeable instrument with miniNT table charger, please see page 145.

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

HEINE mini3000® Diagnostic Sets



Set complete with: **mini3000 Otoscope**

1 set (4 pcs.) reusable tips

5 each of 2.5 and 4 mm dia. AllSpec disposable tips

hard case

| | |
|--|---------------------|
| mini3000 Diagnostic Sets | 2.5V XHL |
| mini3000 battery handle with batteries | D-851.20.021 |



Set complete with: **mini3000 Ophthalmoscope, mini3000 Otoscope,**

1 set (4 pcs.) reusable tips

5 each of 2.5 and 4 mm dia. AllSpec disposable tips

hard case

| | |
|---|---------------------|
| mini3000 Diagnostic Sets | 2.5V XHL |
| 2 mini3000 battery handles with batteries | D-873.21.021 |

For information on HEINE battery and rechargeable handles see pages 140 – 145.

HEINE UniSpec® Disposable Specula



- ⊗: Single use only.
- ∴ **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 BETA100 and K100

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

⊗: Single use only.

Reusable Specula



- ∴ **Moulded in high-density SANALONS, 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 BETA100 and K100

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

Tip Adaptor



- ∴ **All-metal construction.** Adaptor for AllSpec disposable tips (p. 028) for use with diagnostic otoscope (BETA100, K100).

| | |
|-------------|---------------------|
| Tip-Adaptor | B-000.11.306 |
|-------------|---------------------|

Insufflation Bulb



- ∴ **For pneumatic testing.**

| | |
|--|---------------------|
| Insufflation bulb for BETA100 and K100 Oscopes | B-000.11.240 |
|--|---------------------|

Tongue-Blade Holder

For wooden tongue-blades



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

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

Tongue-Blade Holder

With blade ejector for use with HEINE disposable tongue-blades



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

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

HEINE mini3000® Tongue-Blade Holder

With blade ejector for HEINE disposable tongue-blades



Can only be used with the mini3000 handle system.

- ∴ **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.

| mini3000 Tongue-Blade Holder | 2.5V XHL |
|---|---------------------|
| Tongue-blade holder head with bulb, without handle [01] | D-001.74.100 |
| complete with mini3000 battery handle* and 5 disposable blades, with batteries [02] | D-001.74.118 |
| XHL Xenon Halogen spare bulb | X-001.88.037 |
| Pack of 100 disposable plastic tongue-blades | B-000.12.304 |

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

HEINE® mini-c Clip Lamp

Compact, long-life pocket diagnostic light



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

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

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

| | |
|---|---------------------|
| mini-c Clip Lamp | 2.5V XHL |
| with batteries [01] | D-001.73.109 |
| with ear light with batteries [02] | D-001.73.103 |
| Ear light for mini-c Clip Lamp, 6 pieces in blister pack [03] | D-000.73.105 |
| XHL Xenon Halogen spare bulb | X-001.88.108 |



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



HEINE mini3000® Clip Lamp

Compact, long-life pocket diagnostic light

Sturdy, long-life pocket diagnostic 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 mini3000 handle system. Handle available in black or blue.



[01]

[02]

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



- ∴ **Compact, oval, attractive light.** Lies ergonomically in the hand.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100 % more light compared 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.

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



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.



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



HEINE mini3000® Combi Lamp

Compact, all purpose illuminator with integrated tongue-blade holder

[01]

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 mini3000 handle system.
Available in black or blue.

- ∴ **Many applications.** Can be used as a general illuminator and as an illuminated tongue-blade holder for wooden blades and HEINE disposable blades.
- ∴ **2-piece handle and head.** Easy to maintain, flexible. Compatible with other mini3000 instrument heads.
- ∴ **Enhanced XHL Xenon Halogen lens-bulb with 100% more light compared with conventional bulbs.** Bright, focused light.
- ∴ **High-quality handle: Chrome-finish upper section / refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in the pocket. 20,000 switch cycles guaranteed.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger*.

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



*To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.

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



HEINE Veterinary ENT diagnostic instruments



G 100
Slit Illumination Head



Operating Otoscope



BETA200 VET
F.O. Otoscope



BETA100
VET Otoscope

| | Housing construction | | | |
|--|-----------------------------|--------------------------|--------------------------|--------------------------|
| Metal | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Swivel lens – Magnification | | | |
| Glass/Magnification 1.6x | <input type="checkbox"/> | | | |
| Glass/Magnification 2.5x | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Illumination | | | |
| LED F.O. illumination | <input type="checkbox"/> | | <input type="checkbox"/> | |
| XHL F.O. illumination | <input type="checkbox"/> | | <input type="checkbox"/> | |
| XHL Direct illumination | | <input type="checkbox"/> | | <input type="checkbox"/> |
| | Instrument size | | | |
| Professional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Available power sources | | | |
| Battery 2.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rechargeable battery 3.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Tips | | | |
| Long, closed specula | <input type="checkbox"/> | | | |
| Slit metal specula, open | <input type="checkbox"/> | | | |
| Spreadable speculum | <input type="checkbox"/> | | | |
| Short, closed specula | <input type="checkbox"/> | | | <input type="checkbox"/> |
| Reusable specula | | <input type="checkbox"/> | | |
| UniSpec VET disposable tips | <input type="checkbox"/> | <input type="checkbox"/> | | |
| VET reusable specula | | | <input type="checkbox"/> | <input type="checkbox"/> |
| AllSpec disposable tips (with adaptor) | | <input type="checkbox"/> | | <input type="checkbox"/> |
| Insufflation port | | | <input type="checkbox"/> | <input type="checkbox"/> |
| Page | 041 | 043 | 044 | 045 |

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

HEINE® G 100 LED Slit Illumination Head

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

LED^{HQ}
 LED NOW IN HEINE QUALITY.



- EXCLUSIVELY AT HEINE**
- 1.6x Magnification
 - LED in HQ – Stepless dimmable
 - All-metal housing

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.
- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright homogeneous light during examinations.
- **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- **Easy cleaning.** Round edges allow easy disinfection, also with standard disinfectants.
- **Double bayonet lock for specula.** Specula mounted firmly by double lock.
- **Full functionality of the G 100 LED Slit Illumination Head is guaranteed with BETA Rechargeable Handles and the EN100/EN200 Wall Transformers.**



[01]

| G 100 LED Slit Illumination Head | LED |
|----------------------------------|---------------------|
| with swivel lens | G-008.21.301 |
| Swivel lens, single [01] | G-000.21.209 |

HEINE® G 100 Slit Illumination Head

With XHL Illumination



G 100 Slit Illumination Head with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the G 100 LED Slit Illumination Head.

- **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.



[01]

| G 100 Slit Illumination Head | 2.5V XHL | 3.5V XHL |
|------------------------------|---------------------|---------------------|
| with swivel lens | G-001.21.301 | G-002.21.301 |
| XHL Xenon Halogen spare bulb | X-001.88.077 | X-002.88.078 |
| Swivel lens, single [01] | G-000.21.209 | |



HEINE Veterinary Diagnostic Sets

 with XHL or LED^{HO} illumination



Set complete with: **G 100 Slit illumination head in XHL or LED**
 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

| Veterinary Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|--|---------------------|---------------------|---------------------|
| BETA battery handle | G-112.10.118 | | |
| BETA4 USB rechargeable handle with USB cord and plug-in power supply | | G-112.27.388 | G-112.28.388 |
| BETA4 USB rechargeable handle | | G-112.27.387 | G-112.28.387 |
| BETA4 NT rechargeable handle with NT4 table charger | | G-112.23.420 | G-112.24.420 |

 with XHL or LED^{HO} illumination



Set complete with:
G 100 Slit illumination head, BETA200 Ophthalmoscope both in XHL or LED,
 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

| Veterinary Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|--|---------------------|---------------------|---------------------|
| BETA battery handle | G-148.10.118 | | |
| BETA4 USB rechargeable handle with USB cord and plug-in power supply | | G-148.27.388 | G-148.28.388 |
| BETA4 USB rechargeable handle | | G-148.27.387 | G-148.28.387 |
| BETA4 NT rechargeable handle with NT4 table charger | | G-148.23.420 | G-148.24.420 |

HEINE Operating Otoscope

The greatest flexibility and most options for instrumentation



An all-round otoscope for instrumentation under magnification. Both the lens and speculum can be swivelled. For use with reusable specula and UniSpec disposable specula. With tip-adaptor (B-000.11.306) it is also possible to use AllSpec disposable tips.

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

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



HEINE BETA® 200 LED VET F.O. Otoscope

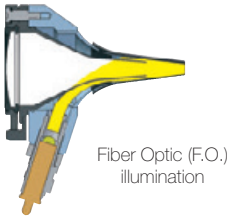
Veterinary Otoscope with LED^{HQ} illumination



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.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright homogeneous light during examinations.
- ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ∴ **Swivelling viewing window built into instrument.** Useful for instrumentation, cannot be mislaid.
- ∴ **Insufflation port.** Reliable test of tympanic mobility.
- ∴ **For use with reusable SANALON S VET Specula** (G-000.21.213).
- ∴ **Full functionality of the BETA200 LED VET is guaranteed with BETA Rechargeable Handles and the EN100/EN200 Wall Transformers.**

- EXCLUSIVELY AT HEINE**
- 2.5x Magnification
 - LED in HQ – Stepless dimmable
 - All-metal housing



| | |
|--------------------------------------|---------------------|
| BETA200 LED VET F.O. Otoscope | LED |
| without specula, without handle | G-008.21.250 |

HEINE BETA® 200 VET F.O. Otoscope

Veterinary Otoscope with XHL illumination



BETA200 VET F.O. Otoscope with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the BETA200 LED VET F.O. Otoscope.

- ∴ **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.

| | | |
|----------------------------------|---------------------|---------------------|
| BETA200 VET F.O. Otoscope | 2.5V XHL | 3.5V XHL |
| without specula, without handle | G-001.21.250 | G-002.21.250 |

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

HEINE BETA® 100 VET Otoscope

Veterinary Otoscope with direct illumination



Direct Xenon Halogen illumination

Otoscope with all-metal construction and direct Xenon Halogen illumination. Suitable for use with short, closed specula. With the use of the VET adaptor (G-000.21.214), it is possible to fit reusable VET specula for ear examinations.

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

| BETA 100 VET Otoscope | 2.5V XHL | 3.5V XHL |
|---------------------------------|--------------|--------------|
| without specula, without handle | G-001.21.260 | G-002.21.260 |
| XHL Xenon Halogen spare bulb | X-001.88.037 | X-002.88.049 |

HEINE Reusable VET specula



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



[01]

A VET adaptor [01] is required for use of VET reusable tips 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 BETA200 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 |



Long, closed metal specula



- ∴ **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 |

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

Slit metal specula, open



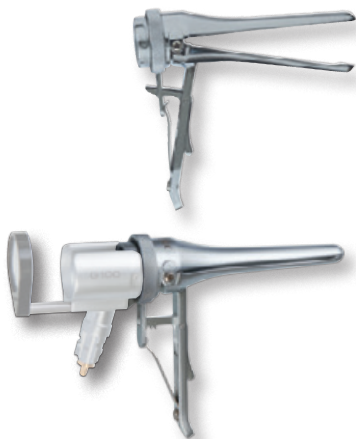
- ∴ **High-quality chrome-plated metal construction.** Easy to clean, disinfect and sterilize.
- ∴ **Matt internal surfaces.** Reduced reflexes.
- ∴ **60° opening with rounded edges.** Ideal for instrumentation, atraumatic insertion.
- ∴ **Double bayonet fitting.** Positive fit.

**Slit metal specula
 for 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 |

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

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.
- ∴ **Matt internal surfaces.** Avoids reflexes.
- ∴ **Oval branches with rounded edges.** Ideal for instrumentation, atraumatic.
- ∴ **2 bayonet locks.** Firm mounting of spreadable Speculum to head.

**Spreadable speculum
 for G100/G100 LED Slit Illumination Head**

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

Short, closed specula



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



2.8mm dia. 2.2mm dia.



- ∴ **Made of high-density SANALON S with a smooth external surface.** Dust and germs are easily removed. Common germicides can be used. Autoclavable at up to 134°C.
- ∴ **Ergonomic shape.** Painless atraumatic insertion.
- ∴ **Integral metal ring with 2 bayonet locks.** Firm mounting of specula to head.
- ∴ **40mm long.**

Short, closed SANALON S specula

for G100/G100 LED Slit Illumination Head and BETA100 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



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



4.5mm dia. 5.5mm dia. 10mm dia.

- ∴ **Moulded in high-density SANALON S, smooth surface.** Easy to clean. 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.

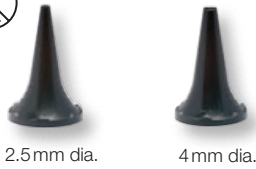
Reusable Specula (black)

for 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 UniSpec® Disposable Specula



2.5 mm dia.

4 mm dia.



[01]

The adaptor illustrated [01] is necessary when using UniSpec specula with the G 100/G 100 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 G 100/G 100 LED Slit Illumination Head

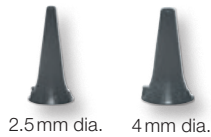
Pack of 1000 UniSpec disposable specula 2.5 mm dia. **B-000.11.242**

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

Adaptor for use with Slit Illumination Head [01] **G-000.21.302**

⊗: Single use only.

HEINE AllSpec® Disposable Tips



2.5 mm dia.

4 mm dia.



[01]



[02]



[03]



[04]

A tip adaptor [03] is required for use of AllSpec disposable tips on the BETA 100 VET and on the operation 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. 2.5 mm dia. [01] **B-000.11.128**

Pack of 1000 pcs. 4 mm dia. [01] **B-000.11.127**

Dispenser pack, single, of 250 tips, 2.5 mm dia [02] **B-000.11.153**

Dispenser pack, single, of 250 tips, 4 mm dia [02] **B-000.11.152**

Case of 10 dispenser packs of 250 tips, 2.5 mm dia **B-000.11.151**

Case of 10 dispenser packs of 250 tips, 4 mm dia **B-000.11.150**

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

∴ AllSpec Tip-dispenser

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

AllSpec Tip-dispenser (2x 45 tips) [04] **B-000.11.149**

⊗: Single use only.

Insufflation Bulb



- ∴ **For pneumatic testing.**

Insufflation bulb for BETA 200 VET and BETA 100 VET Otokospe **B-000.11.240**

**If there's
something
to SEE,
you'll
DISCOVER
it.**





HEINE Direct Ophthalmoscopes



BETA200 S



BETA200
Opt. 1



BETA200 M2
Opt. 2



K180
Opt. 1 Opt. 2



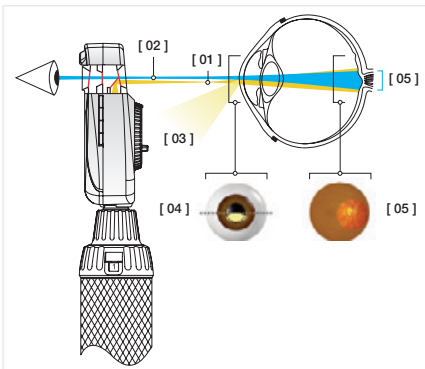
mini3000

LED illumination
XHL illumination



| | Optical System | | | |
|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Aspherical | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Conventional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Illumination | | | |
| LED illumination | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| XHL illumination | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Apertures | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Corrective lenses | | | |
| Range | - 36 to +38 | - 35 to +40 | - 35 to +40 | - 20 to +20 |
| Number of lenses | 28 | 27 | 27 | 18 |
| 1 D Steps | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Dust protection | | | |
| Dustproof | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dust protected | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aluminium frame system | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Instrument size | | | |
| Professional | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Compact | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Available power sources | | | |
| Battery 2.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rechargeable battery 2.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rechargeable battery 3.5V | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Page | 051 | 052 | 056 | 057 / 059 |

* Red-free filter for all apertures



“Aspherical Optical System” (AOS) exclusively from HEINE

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

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

HEINE BETA® 200 S LED Ophthalmoscope

Superior aspherical optics with LED^{HQ} illumination

LED^{HQ}
LED NOW IN HEINE QUALITY.



- EXCLUSIVELY AT HEINE**
- Aspherical optical system
 - LED in HQ – Stepless dimmable
 - Aluminium frame system

BETA200S with 7 apertures



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



With red-free filter



HEINE AOS film

Exclusive dustproof design protects the precision optical components and ensures maintenance-free operation. The BETA200/200 S 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 BETA200 S LED has virtually unlimited hours of working life. No need to ever replace bulbs. Maintenance-free for a lifetime.

- **Exclusive aspherical optical system (AOS)** for more information see the bottom of page 050.
- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible. **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light during examinations.
- **The BETA200S 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 +38 D
 - in 1 D steps: -1 through -36 D
- **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 BETA200 S LED is guaranteed with BETA Rechargeable Handels and the EN 100/EN 200 Wall Transformers.**

| BETA200 S LED Ophthalmoscope | LED |
|------------------------------|--------------|
| without handle | C-008.30.120 |

HEINE BETA® 200 S Ophthalmoscope

Superior aspherical optics with XHL illumination



BETA200 S Ophthalmoscope with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the BETA200 S LED Ophthalmoscope.

- **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.

| BETA200 S Ophthalmoscope | 2.5V XHL | 3.5V XHL |
|------------------------------|--------------|--------------|
| without handle | C-001.30.120 | C-002.30.120 |
| XHL Xenon Halogen spare bulb | X-001.88.069 | X-002.88.070 |



HEINE BETA® 200 LED Ophthalmoscope

Superior aspherical optics with LED^{HQ} illumination



The ophthalmoscope with unique aspherical optics and all features of the BETA200S 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 |

| BETA 200 LED Ophthalmoscope | LED |
|-----------------------------|--------------|
| without handle | C-008.30.100 |

- ∴ Full functionality of the BETA 200 LED is guaranteed with BETA Rechargeable Handels and the EN 100/EN 200 Wall Transformers.

- EXCLUSIVELY AT HEINE**
- Aspherical optical system
 - LED in HQ with continuous brightness control
 - Aluminium frame system

BETA 200 with 6 apertures



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



With red-free filter

HEINE BETA® 200 Ophthalmoscope

Superior aspherical optics with XHL illumination

The ophthalmoscope with unique aspherical optics and all features of the BETA200 LED, but:

- ∴ XHL Xenon Halogen bulb with bright illumination and authentic colour rendering.



| BETA 200 Ophthalmoscope | 2.5V XHL | 3.5V XHL |
|-------------------------|--------------|--------------|
| without handle | C-001.30.100 | C-002.30.100 |

| | | |
|------------------------------|--------------|--------------|
| XHL Xenon Halogen spare bulb | X-001.88.069 | X-002.88.070 |
|------------------------------|--------------|--------------|

| BETA 200 M2 Ophthalmoscope | 2.5V XHL | 3.5V XHL |
|---|--------------|--------------|
| BETA 200 M2 Ophthalmoscope, without handle. 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 |

BETA 200 M2 apertures



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



With red-free filter

HEINE BETA® 200/200S Ophthalmic Diagnostic Sets

with XHL or LED^{HO} illumination



Set complete with: **BETA 200 S Ophthalmoscope in XHL or LED**
1 spare bulb for XHL version, hard case

| BETA 200 S Ophthalmoscope Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | C-261.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-261.27.388 | C-261.28.388 |
| BETA 4 USB rechargeable handle | | C-261.27.387 | C-261.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-261.23.420 | C-261.24.420 |



Set complete with: **BETA 200 Ophthalmoscope in XHL or LED**
1 spare bulb for XHL version, hard case

| BETA 200 Ophthalmoscope Sets | 2.5V XHL | 3.5V XHL | LED |
|---|----------------------|---------------------|---------------------|
| BETA battery handle | C-144.10.118* | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-144.27.388 | C-144.28.388 |
| BETA 4 USB rechargeable handle | | C-144.27.387 | C-144.28.387 |
| BETA 4 NT rechargeable handle with NT 4 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.



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

| BETA 200 S Ophthalmoscope Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | C-262.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-262.27.388 | C-262.28.388 |
| BETA 4 USB rechargeable handle | | C-262.27.387 | C-262.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-262.23.420 | C-262.24.420 |



Set complete with: **BETA 200 Ophthalmoscope, BETA 200 Streak Retinoscope both with XHL or LED,**
1 spare bulb for each instrument for XHL version, hard case

| BETA 200 Ophthalmoscope Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | C-145.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-145.27.388 | C-145.28.388 |
| BETA 4 USB rechargeable handle | | C-145.27.387 | C-145.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-145.23.420 | C-145.24.420 |



HEINE Diagnostic Sets

 with XHL or LED^{HD} illumination



Set complete with: **BETA200 Ophthalmoscope, BETA400 F.O. Otoscope both in XHL or LED,**
1 set (4 pcs.) of reusable tips (B-000.11.111)
5 of both AllSpec disposable tips 2.5 and 4 mm Ø
one spare bulb each for XHL version
hard case

| Diagnostic Sets | 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 |



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

| Diagnostic Sets | 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 |



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

| Diagnostic Sets | 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 USB rechargeable handle | | A-234.27.387 | A-234.25.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | A-234.23.420 | A-234.25.420 |

*BETA 100 Otoscope with XHL illumination and BETA200 LED Ophthalmoscope with LED illumination.

HEINE Diagnostic Kits

 with XHL or LED^{HO} illumination



Kit complete with: **BETA200 Ophthalmoscope, BETA400 F.O. Otoscope both in XHL or LED,**

- 1 set (4 pcs.) of reusable tips (B-000.11.111)
- 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
- one spare bulb each for XHL version
- without hard case

| Diagnostic Kits | 3.5V XHL | LED |
|--|---------------------|---------------------|
| NEW! 2x BETA4 NT rechargeable handle with NT4 table charger | A-153.23.422 | A-153.24.422 |



Kit complete with: **BETA200 Ophthalmoscope, BETA200 F.O. Otoscope both with XHL or LED,**

- 1 set (4 pcs.) of reusable tips (B-000.11.111)
- 5 of both AllSpec disposable tips 2.5 and 4 mm Ø
- one spare bulb each for XHL version
- without hard case

| Diagnostic Kit | 3.5V XHL | LED |
|--|---------------------|---------------------|
| NEW! 2x BETA4 NT rechargeable handle with NT4 table charger | A-132.23.422 | A-132.24.422 |



HEINE K180® Ophthalmoscope

Standard direct ophthalmoscope



- ∴ Reduces corneal reflex
- ∴ Dust resistant

A full-featured instrument at an economical price.

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

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

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

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

K180 apertures



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



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

HEINE K180® Diagnostic Sets

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



| K180 Ophthalmoscope Sets | 2.5V XHL | 3.5V XHL |
|--|--------------|--------------|
| BETA battery handle | C-182.10.118 | |
| BETA4 USB rechargeable handle with USB cord and plug-in power supply | | C-182.27.388 |
| BETA4 USB rechargeable handle | | C-182.27.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | C-182.23.420 |

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

K180 F.O. Otoscope

1 set of reusable tips (B-000.11.111)
hard case



| K180 Diagnostic Sets | 2.5V XHL | 3.5V XHL |
|--|--------------|--------------|
| BETA battery handle | A-279.10.118 | |
| BETA4 USB rechargeable handle with USB cord and plug-in power supply | | A-279.27.388 |
| BETA4 USB rechargeable handle | | A-279.27.387 |
| BETA4 NT rechargeable handle with NT 4 table charger | | A-279.23.420 |

HEINE mini3000® LED Ophthalmoscope

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

LED^{HQ}
LED NOW IN HEINE QUALITY.



- ∴ Maintenance-free pocket instrument
- ∴ Optimal colour rendering
- ∴ Typ. 10 hours operation time

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

- ∴ **Maintenance-free**, no need to ever replace the LED.
- ∴ LED Thermal management for a **consistent light output throughout the whole working life**.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- ∴ **Operation time typ. 10 hours.** The batteries need to be changed less often and the rechargeable batteries last longer.
- ∴ **For further technical specifications, please see mini3000 Ophthalmoscope with XHL illumination on page 059.**

| mini3000 LED Ophthalmoscope | 2.5V LED |
|--|---------------------|
| with mini3000 battery handle, with batteries | D-008.71.120 |
| with mini3000 rechargeable handle (please order mini NT table charger separately) | D-008.71.200 |
| without handle | D-008.71.105 |

mini3000 apertures



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



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



To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.



HEINE mini3000® LED Diagnostic Sets



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

| | |
|--|---------------------|
| mini3000 LED Ophthalmoscope Set | 2.5V LED |
| mini3000 battery handle with batteries | D-885.21.021 |



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

| | |
|--|---------------------|
| mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otoscope Set | 2.5V LED |
| with 2 mini3000 battery handles with batteries | D-886.11.021 |



Set complete with: **mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otoscope**
mini NT table charger
5 of both 2.5 and 4 mm dia. AllSpec disposable tips

| | |
|--|----------------------|
| mini3000 LED Ophthalmoscope, mini3000 LED F.O. Otoscope Set | 2.5V LED |
| with 2 mini3000 rechargeable handles | D-860.11.022* |

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

HEINE mini3000® Ophthalmoscope

Compact Pocket Ophthalmoscope with XHL illumination



∴ Modern pocket instrument

∴ 5 different apertures

∴ Dust resistant

Modern pocket ophthalmoscope with XHL Xenon Halogen bulb technology. 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 mini3000 handle system. Available in black and blue.

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

| | |
|--|-------------------------|
| mini3000 Ophthalmoscope | 2.5V XHL |
| with mini3000 battery handle, with batteries | D-001.71.120 |
| with mini3000 rechargeable handle (please order mini NT table charger separately) | D-001.71.200 |
| without handle | D-001.71.105 |
| XHL Xenon Halogen spare bulb | X-001.88.106 |

mini3000 apertures



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



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



* To upgrade to a rechargeable instrument with mini NT table charger, please see page 145.



HEINE mini3000® Diagnostic Sets



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

| | |
|--|---------------------|
| mini3000 Ophthalmoscope Set | 2.5V XHL |
| mini3000 battery handle with batteries | D-852.10.021 |



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

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



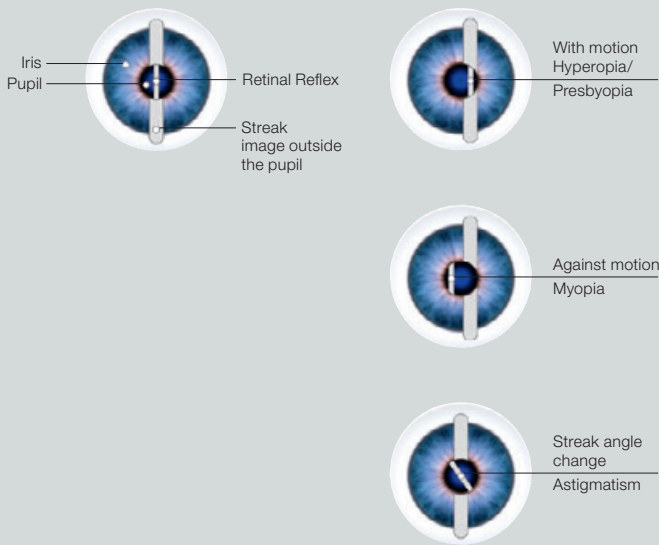
Set complete with: **mini3000 Ophthalmoscope, mini3000 F.O. Otoscope**
mini NT table charger
5 of both 2.5 and 4 mm dia. AllSpec disposable tips

| | |
|--|----------------------|
| mini3000 Ophthalmoscope, mini3000 F.O. Otoscope Set | 2.5V XHL |
| with 2 mini3000 rechargeable handles | D-859.11.022* |

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



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



Hand-held retinoscopes for objective refraction.

The BETA200 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 BETA200 Retinoscope with ParaStop features the latest multi-coated optics for an exceptionally bright fundus reflex and easier detection of the neutralisation point. ParaStop was developed by HEINE for the easy, precise selection of a parallel illumination beam. ParaStop simplifies and speeds up the precise detection of cylinder axis. ParaStop also simplifies the verification of the cylinder correction after refraction.

HEINE BETA® 200 LED Retinoscope with HEINE ParaStop®

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



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



- ∴ **ParaStop.** Precise, easy selection of a parallel beam.*
- ∴ **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.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Patented, unique, stepless dimming** from 3% to 100% with practical one-finger operation.
- ∴ **Ergonomic shape.** Protects the examiner's orbita from stray light.
- ∴ **Metal controls.** Long-lasting.
- ∴ **Single control for vergence and rotation.** Comfortable operation.
- ∴ **Maintenance-free.** Dustproof. LED with virtually unlimited hours of working life.
- ∴ **Integrated polarisation filter.** Eliminates stray light and internal reflexes for a brighter fundus reflex.
- ∴ **Detachable brow rest.** Increased comfort and control during examination.
- ∴ **Holder for fixation cards (optional).** For dynamic retinoscopy.
- ∴ **Full functionality of the BETA200 LED is guaranteed with BETA Rechargeable Handles and the EN 100/EN 200 Wall Transformers.**

| BETA200 LED Streak Retinoscope | LED |
|--|--------------|
| without handle | C-008.15.353 |
| Fixation cards with holder for dynamic retinoscopy | C-000.15.360 |

- EXCLUSIVELY AT HEINE**
- ParaStop
 - Highly visible, bright fundus reflex
 - Metal controls



HEINE BETA® 200 Retinoscope with HEINE ParaStop®

With XHL illumination

Technical specifications as for BETA200 LED Retinoscope, except:

- XHL Xenon Halogen Technology.
- **Streak or Spot Retinoscope.** Simply by changing the bulb.
- **Orange filter (optional).** Reduces patient dazzle without affecting the fundus reflex.



| BETA200 Streak Retinoscope | 2.5V XHL | 3.5V XHL |
|--|--------------|--------------|
| with XHL Xenon Halogen bulb, without handle | C-001.15.353 | C-002.15.353 |
| XHL Xenon Halogen spare bulb | X-001.88.087 | X-002.88.089 |
| XHL Xenon Halogen spare bulb to convert to Spot Retinoscope | X-001.88.088 | X-002.88.090 |
| Orange filter for the bulb, for light-sensitive patients [01] | C-000.15.359 | |
| Fixation cards with holder for dynamic retinoscopy | C-000.15.360 | |

HEINE Ophthalmic Diagnostic Sets

with XHL or LED^{HO} illumination



Set complete with: **BETA 200 Streak Retinoscope in XHL or LED**

1 spare bulb for XHL version,
hard case

| BETA 200 Retinoscope Sets | 2.5V XHL | 3.5V XHL | LED |
|---|----------------------|---------------------|---------------------|
| BETA battery handle | C-034.10.118* | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-034.27.388 | C-034.28.388 |
| BETA 4 USB rechargeable handle | | C-034.27.387 | C-034.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-034.23.420 | C-034.24.420 |

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



Set complete with: **BETA 200 S Ophthalmoscope, BETA 200 Streak Retinoscope both with XHL or LED,**

1 spare bulb for each instrument for XHL version
hard case

| BETA 200S Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | C-262.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-262.27.388 | C-262.28.388 |
| BETA 4 USB rechargeable handle | | C-262.27.387 | C-262.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-262.23.420 | C-262.24.420 |



Set complete with: **BETA 200 Ophthalmoscope, BETA 200 Streak Retinoscope both with XHL or LED,**

1 spare bulb for each instrument for XHL version
hard case

| BETA 200 Diagnostic Sets | 2.5V XHL | 3.5V XHL | LED |
|---|---------------------|---------------------|---------------------|
| BETA battery handle | C-145.10.118 | | |
| BETA 4 USB rechargeable handle with USB cord and plug-in power supply | | C-145.27.388 | C-145.28.388 |
| BETA 4 USB rechargeable handle | | C-145.27.387 | C-145.28.387 |
| BETA 4 NT rechargeable handle with NT 4 table charger | | C-145.23.420 | C-145.24.420 |



HEINE® HSL 150 Hand-held Slit Lamp

For the examination of the anterior segment



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

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

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

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

HEINE® HSL 10x Loupe Attachment

Loupe attachment with 10x magnification



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

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

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

HEINE® HSL 150 Hand-held Slit Lamp Sets



[01]

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

| Hand-held Slit Lamp Sets | 2.5V XHL | 3.5V XHL |
|---|---------------------|---------------------|
| BETA SLIM battery handle, in soft pouch, without spare bulb [01] | C-252.10.105 | |
| BETA 4 SLIM NT rechargeable handle and NT4 table charger*, spare bulb, in hard case | | C-266.20.471 |

*NT4 table charger incl. reducer insert

HEINE® LAMBDA 100 Retinometer

For assessing potential visual acuity



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

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

Three simple steps for assessing potential visual acuity with LAMBDA 100

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

- EXCLUSIVELY AT HEINE**
- Light and compact
 - USB charging facility
 - Clinically tested



[01]



| LAMBDA 100 Retinometer | 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 |
| XHL Xenon Halogen spare bulb | X-001.88.077 | X-002.88.078 |
| Patient card [01] | | C-000.35.005 |



| LAMBDA 100 Retinometer Kits | 3.5V XHL |
|--|--------------|
| Kit 1: LAMBDA 100 with acuity scale (scale 2), 1 Patient card, BETA4 USB rechargeable handle with USB cord and plug-in power supply, spare bulb, without hard case | C-037.27.388 |
| Kit 2: LAMBDA 100 with decimal scale (scale 1), 1 Patient card, BETA4 USB rechargeable handle with USB cord and plug-in power supply, spare bulb, without hard case | C-038.27.388 |



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.



Ophthalmic Examination Lamp

For examination of the anterior segment and cornea in focal light



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

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

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

Aperture combination



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

HEINE Finoff Transilluminator

For scleral transillumination



[01]

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

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

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

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

HEINE® iC2 Funduscope

Mobile, digital ophthalmoscopy

LED^{HQ}
LED NOW IN HEINE QUALITY.



HEINE iC2
Application film



Free
HEINE iC2 App



EXCLUSIVELY AT HEINE

- Broad field of view
- High resolution images
- Mobile documentation



- **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.
- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE quality – or LED^{HQ}.
- **NEW! Set it down and charge in one step.** The new 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/.
- **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.

| iC2 Set/7 for iPhone 7 and 8 | LED |
|--|---------------------|
| iC2 with mounting case smartphone iC 2/7 for Apple® iPhone® 7 and 8*, iC2 Charger, USB cord with E4-USB medical approved plug-in power supply and case | C-152.40.211 |
| iC2 Set/6 for iPhone 6/6s | LED |
| See above, but with mounting case smartphone iC 2/6 for Apple iPhone 6/6s* | C-151.40.211 |
| iC2 Set/5 for iPhone 5s and SE | LED |
| See above, but with mounting case smartphone iC 2/5 for Apple iPhone 5s and SE* | C-150.40.211 |
| Accessories | |
| USB cord with E4-USB medical approved plug-in power supply | X-000.99.303 |
| Mounting case smartphone iC 2/7 for Apple iPhone 7/8 | C-000.33.152 |
| Mounting case smartphone iC 2/6 for Apple iPhone 6/6s | C-000.33.151 |
| Mounting case smartphone iC 2/5 for Apple iPhone 5s/SE | C-000.33.150 |
| Case for iC2 | C-150.00.000 |

* 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



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



HEINE Indirect Ophthalmoscopes

LED HQ



OMEGA 500

LED HQ

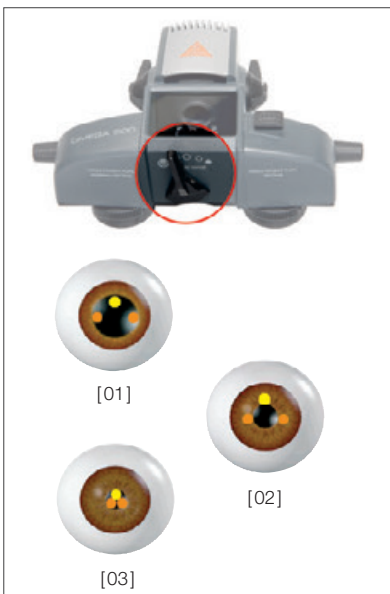


SIGMA 250 SIGMA 250 M2

- Synchronized
- Separate
-
-
-
- Diffusor
-
-
-
- LED HQ illumination
- XHL illumination
- Headband
- S-FRAME
- Teaching mirror
- Product variant with integrated camera
- On the Instrument
- On the power source
- Headband-mounted battery
- mPack UNPLUGGED
- mPack
- mPack mini
- EN 50 Table- or / Wall transformer
- Plug-in transformer

Page

| Convergence and parallax adjustment | | |
|-------------------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Apertures | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | optional | optional |
| Filters | | |
| <input type="checkbox"/> | optional | optional |
| <input type="checkbox"/> | optional | optional |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Versions | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | optional | optional |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| optional | optional | optional |
| optional | <input type="checkbox"/> | <input type="checkbox"/> |
| Brightness control | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Mobile power supply | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Stationary power supply | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 069 - 073 | 074/075 | |



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^{HQ} or XHL illumination



With its LED^{HQ} or XHL technology and perfect colour rendering, the OMEGA500 has set the standard for reliability and performance.

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

- ∴ LED^{HQ} or XHL technology
- ∴ Unique synchr. adjustment
- ∴ Dustproof

Technical Specifications:

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



HEINE OMEGA500
Operation film



HEINE OMEGA500
Accessories film



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



HEINE Diffuser, 3 integrated spot sizes: small spot, medium and large. 3 integrated filters: red-free, cobalt blue and yellow filters.



Synchronised adjustment of convergence and parallax.



LED NOW IN HEINE QUALITY.

LED^{HQ}-Technology for HEINE OMEGA® 500:

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

- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
- ∴ **That’s what we call LED in HEINE Quality – or LED^{HQ}.**
- ∴ **Special optical interface to precisely integrate the LED illumination with the optical system** to ensure bright, homogeneous light throughout the whole working life of the LED – for an accurate diagnosis.
- ∴ With the **Rheostat HC50 L** the light intensity can be precisely adjusted – especially in the range of low light intensities.
- ∴ **Convert your XHL Xenon Halogen OMEGA500 to LED:** With an upgrade kit the OMEGA500 can easily and quickly be adapted to the new technology.

HEINE OMEGA® 500 Headband

with unique features



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



[01]



[02]

Technical Specifications:

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

HEINE OMEGA® 500 Binocular Indirect Ophthalmoscope

Optimum performance and quality



[01]



[02]



[03]

| OMEGA500 Ophthalmoscope | XHL – 6V | LED – 6V |
|--|--------------|--------------|
| with XHL Xenon Halogen bulb (5W) on Headband (not including HC50L Headband Rheostat) | C-004.33.500 | |
| on Headband with HC50 L Headband Rheostat and Connecting Cord Cinch | C-004.33.507 | C-008.33.502 |
| XHL Xenon Halogen spare bulb 6V, 5W, standard equipment | X-004.88.111 | |

| | |
|--|--------------|
| Extension Cord Cinch-Cinch, 2m [01] | C-000.33.510 |
| Connecting Cord Cinch to EN50 charger/mPack/plug-in transformer for HC50L, 1,6m [02] | X-000.99.667 |
| HC50L Headband Rheostat (without plug-in transformer) | X-095.16.325 |
| Plug-in transformer for HC50 L Headband Rheostat | X-095.16.330 |
| Teaching mirror [03] | C-000.33.209 |

HEINE OMEGA® 500 Kits



XHL OMEGA 500 LED Conversion Kits.

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

| Upgrade-Kits OMEGA 500 | LED – 6V |
|--|---------------------|
| Upgrade-Kit OMEGA500 with LED module [01] and HC50L [02] | X-008.16.325 |
| LED module for OMEGA500 [01] | X-008.87.200 |

OMEGA 500 Kits

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



| OMEGA 500 Kits | XHL – 6V | LED – 6V |
|--|---------------------|---------------------|
| Consists of OMEGA500, HC50L Headband Rheostat, connecting cord Cinch | | |
| Kit 1: with plug-in transformer for HC50L | C-004.33.537 | C-008.33.531 |
| Kit 2: with EN50 transformer complete (incl. EN50 Rheostat Control Module, extension cord Cinch-Cinch 2m, 90° angled adaptor, instrument support) | C-004.33.538 | |
| Kit 3: with mPack and plug-in transformer (incl. 90° angled adaptor) [01] | C-004.33.539 | C-008.33.533 |

HEINE OMEGA® 500 Sets



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

1 scleral depressor large, 1 scleral depressor small, A.R. 20D ophthalmoscopy lens, pad with 50 fundus charts, teaching mirror, 1 spare bulb if with XHL illumination, in hard case with:

| OMEGA 500 Sets | XHL – 6V | LED – 6V |
|---|---------------------|---------------------|
| HC50L Headband Rheostat with plug-in transformer (incl. connecting cord Cinch) | C-283.40.320 | C-283.41.320 |
| EN50-m Charger with mPack , HC50L Headband Rheostat (incl. connecting cord Cinch, 90° angled adaptor, 2m extension cord Cinch-Cinch, instrument support) | C-283.40.302 | |
| mPack with plug-in transformer , HC50L Headband Rheostat (incl. connecting cord Cinch, 90° angled adaptor) | C-283.40.670 | C-283.41.670 |



HEINE OMEGA® 500 UNPLUGGED

with headband battery mPack UNPLUGGED



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



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

- ∴ **Rechargeable battery integrated on the headband.** No interfering cable connections.
- ∴ **Lightweight with balanced weight distribution.** High level of comfort. Lightweight and compact.
- ∴ **mPack UNPLUGGED rechargeable battery.** Charging time 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.

| OMEGA500 UNPLUGGED Kits | XHL – 6V | LED – 6V |
|--|---------------------|---------------------|
| Consists of OMEGA500, HC50L Headband Rheostat, without case: | | |
| Kit 5: with plug-in transformer UNPLUGGED, 1 x mPack UNPLUGGED | C-004.33.541 | C-008.33.535 |
| Kit 6: with Wall unit EN50 UNPLUGGED charger, 2 x mPack UNPLUGGED | C-004.33.542 | C-008.33.536 |
| Kit 7: with Wall unit EN50 UNPLUGGED charger, 1 x mPack UNPLUGGED | C-004.33.543 | C-008.33.537 |
| XHL Xenon Halogen spare bulb 6V, 5W | X-004.88.111 | |
| Extension cord from plug-in transformer UNPLUGGED to mPack UNPLUGGED, 2m | | X-000.99.668 |

HEINE OMEGA® 500 UNPLUGGED Set



Set complete with **OMEGA 500 UNPLUGGED**, 1 scleral depressor large, 1 scleral depressor small, A.R. 20D ophthalmoscopy lens, pad with 50 fundus charts, teaching mirror, 1 spare bulb in case of XHL illumination, in hard case with:

| OMEGA 500 UNPLUGGED Set | XHL – 6V | LED – 6V |
|---|---------------------|---------------------|
| mPack UNPLUGGED and plug-in transformer UNPLUGGED | C-284.40.670 | C-284.41.670 |

HEINE OMEGA® 500 with DV 1 Digital Video Camera

High-resolution digital imaging of the fundus



- EXCLUSIVELY AT HEINE**
- Integrated focus adjustment
 - 5 MP resolution
 - Simple operation

- **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 OMEGA500 will be displayed on the screen.
- **Comfortable and balanced fit.** The OMEGA500 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.



HEINE OMEGA 500 with DV 1 film

| OMEGA 500 with DV 1 | XHL – 6V | LED – 6V |
|--|--------------|--------------|
| OMEGA 500 with DV 1 and mPack with plug-in transformer | C-004.33.560 | C-008.33.560 |
| OMEGA 500 with DV 1 and mPack UNPLUGGED with plug-in transformer | C-004.33.561 | C-008.33.561 |
| OMEGA 500 with DV 1 and 2x mPack UNPLUGGED with EN 50 UNPLUGGED | C-004.33.562 | C-008.33.562 |
| OMEGA 500 with DV 1 and USB 2.0 cord | C-004.33.563 | C-008.33.563 |
| XHL Xenon Halogen spare bulb | X-004.88.111 | |
| USB 2.0 cord for OMEGA 500 with DV 1 | | X-000.99.206 |

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

HEINE OMEGA® 500 with DV 1 Sets



Set complete with: **OMEGA 500 Head-worn Indirect Ophthalmoscope with DV 1 Digital Video Camera,**

HC 50 L Headband Rheostat, USB 2.0 cord, 1 scleral depressor large, 1 scleral depressor small, A.R. 20 D ophthalmoscopy lens, pad with 50 fundus charts, 1 spare bulb if with XHL illumination, in hard case with:

| OMEGA 500 with DV 1 Sets | XHL – 6V | LED – 6V |
|---|--------------|--------------|
| mPack UNPLUGGED and plug-in transformer | C-176.40.670 | C-176.41.670 |

HEINE SIGMA® 250 Binocular Indirect Ophthalmoscope

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


LED NOW IN HEINE QUALITY.



⚡ Ultra light

⚡ For any pupil size

⚡ LED in HQ

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

- ⚡ **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 SIGMA250 is still compatible only with mPack mini.
- ⚡ **Extremely light, 110 g without frame.** Light and comfortable.
- ⚡ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ⚡ **Lightweight frame.** High tensile carbon fiber construction is lightweight and has excellent stability.
- ⚡ **Illumination beam adjustable $\pm 3^\circ$.** Eliminates reflexes.
- ⚡ **Integrated red-free filter.** Improves contrast.
- ⚡ **Optional blue and yellow filters.**
- ⚡ **Large and small apertures.**
- ⚡ **Dust proof.** Maintenance-free.
- ⚡ **PD selection from 47 to 72 mm.** Suits any user.
- ⚡ **Optics on swivel mount.** Unrestricted view.
- ⚡ **Optional clip-in correction frame** for prescription lenses.

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



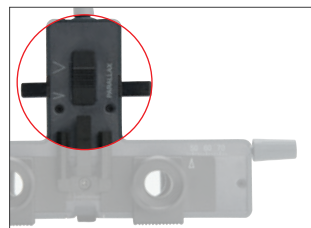
Large pupil



Small pupil



Peripheral view



Parallax adjustment



Convergence adjustment

For further information on the mPack mini, please see page 150.

HEINE SIGMA® 250 Accessories



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

HEINE SIGMA® 250 Kits

LED HQ
LED NOW IN HEINE QUALITY.



| SIGMA 250 Kits | | without power source | with mPack mini |
|--|--|----------------------|-----------------|
| SIGMA 250 Kit with S-FRAME | | | |
| SIGMA 250 | | | |
| S-FRAME | | | |
| Retaining cord | | C-008.33.340 | C-008.33.341 |
| Cleaning fluid | | | |
| SIGMA 250 M2 Kit with S-FRAME and micro spot aperture (instead of small aperture) | | | |
| SIGMA 250 M2 | | | |
| S-FRAME | | | |
| Retaining cord | | C-008.33.345 | C-008.33.346 |
| Cleaning fluid | | | |

Ophthalmic Instruments

HEINE SIGMA® 250 Sets

LED HQ
LED NOW IN HEINE QUALITY.



| SIGMA 250 Sets | | with mPack mini |
|---|--|-----------------|
| SIGMA 250 Set with S-FRAME | | |
| SIGMA 250 | | |
| S-FRAME | | |
| mPack mini with E4-USB plug-in transformer and USB cord | | |
| Scleral depressor small | | |
| Scleral depressor large | | |
| A.R. 20 D ophthalmoscopy lens | | |
| Teaching mirror | | |
| Blue and yellow filters | | |
| Diffusor | | |
| Retaining cord | | |
| Cleaning fluid | | |
| mPack mini Belt Clip | | |
| Carrying case | | C-281.41.671 |
| SIGMA 250 M2 Set with S-FRAME | | |
| SIGMA 250 M2 | | |
| S-FRAME | | |
| mPack mini with E4-USB plug-in transformer and USB cord | | |
| Scleral depressor small | | |
| Scleral depressor large | | |
| A.R. 20 D ophthalmoscopy lens | | |
| Teaching mirror | | |
| Blue and yellow filters | | |
| Diffusor | | |
| Retaining cord | | |
| Cleaning fluid | | |
| mPack mini Belt Clip | | |
| Carrying case | | C-279.41.671 |

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.



[01]

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

HEINE Hand-held Indirect Ophthalmoscope, BINOCULAR

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

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



[01]

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

Model Eyes

HEINE Skia/Retinoscope Trainer



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

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

Model Eye

Skia/Retinoscope Trainer

C-000.33.011

Model Eyes

HEINE Ophthalmoscope Trainer



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

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

Model Eye

Ophthalmoscope Trainer

C-000.33.010



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 |

Scleral Depressor



Scleral depressor

| | |
|---------------------------|--------------|
| Scleral depressor, large* | C-000.17.300 |
| Scleral depressor, small* | C-000.17.301 |

*autoclavable

Fundus Charts



Fundus charts

| | |
|------------------|--------------|
| Pad with 50 pcs. | C-000.33.208 |
|------------------|--------------|

Combi Case



[01]



[02]

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

Combi case/Hard case

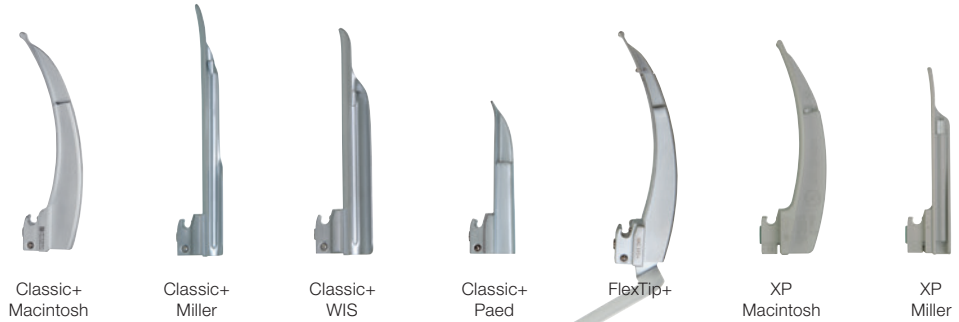
| | |
|--|--------------|
| Combi case [01] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284 (432 mm x 330 mm x 197 mm) | C-079.03.000 |
| Hard case [02] for indirect ophthalmology sets C-162, C-276, C-278, C-283, C-284 (470 mm x 400 mm x 190 mm) | C-079.00.000 |

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





HEINE Laryngoscopes

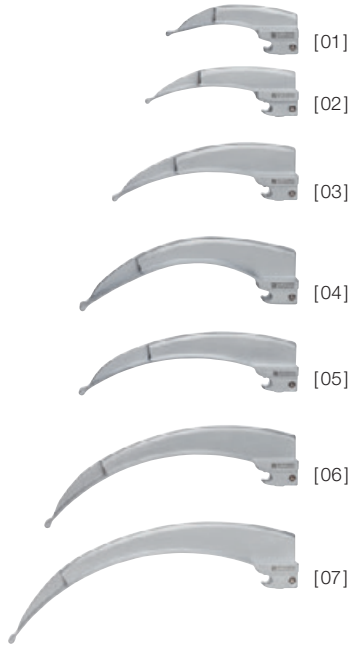


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| 00 | | <input type="checkbox"/> | | | | | |
| 0 | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | | | <input type="checkbox"/> |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3m | <input type="checkbox"/> | | | | | | |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | <input type="checkbox"/> | | | | | | |
| | Material | | | | | | |
| Stainless Steel | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Polycarbonate/Acryl | | | | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | Diameter of HiLite Fiber Bundle in mm | | | | | | |
| | 4.3 | 3.7 | 3.7 | 3.6 | 4.3 | n/a | n/a |
| | Reusable / Sterilizable | | | | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Sterilisation without disassembly | | | | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | Suitable for low ambient temperatures | | | | | | |
| | | | | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | Guarantee | | | | | | |
| 5 years | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4000 autoclave cycles | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Page | 081 | 082 | 082 | 082 | 083 | 084 | 084 |

⊗: Single use only.

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

Innovative Fiber Optic Technology for advanced performance



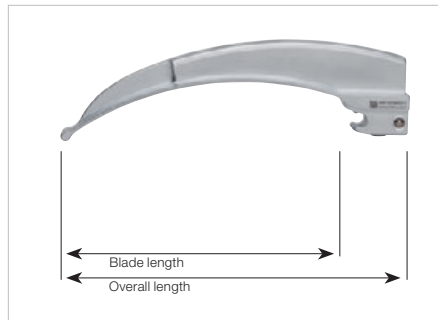
Our new, innovative manufacturing technology achieves even better illumination and a longer service life.

- ∴ **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 and sterilise.**
- ∴ **Compatible with all handles** to the ISO 7376 (green standard).
- ∴ **5 years guarantee.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.

Laryngoscopes

EXCLUSIVELY AT HEINE

- One-piece design, stainless high-grade steel
- 4000 autoclave cycles
- 5 year guarantee

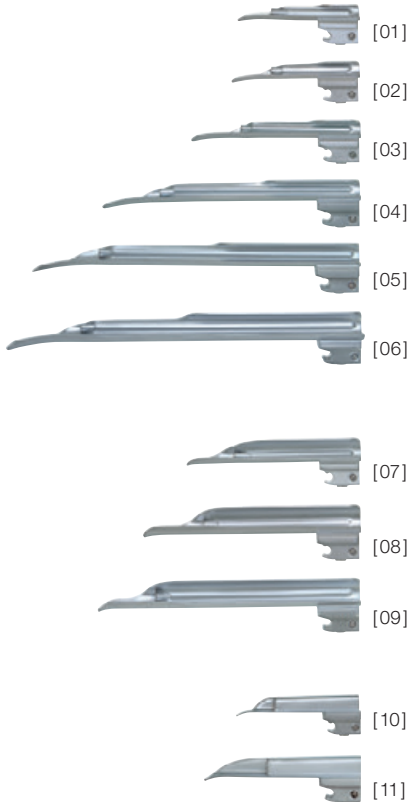


| Size | Overall length | Blade length | Distal width | |
|--------------|----------------|--------------|--------------|--------------|
| Mac 0 [01] | 82 mm | 66 mm | 9 mm | F-000.22.100 |
| Mac 1 [02] | 94 mm | 78 mm | 10 mm | F-000.22.101 |
| Mac 2 [03] | 114 mm | 98 mm | 14 mm | F-000.22.102 |
|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

* stronger curve

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

Innovative Fiber Optic Technology for advanced performance



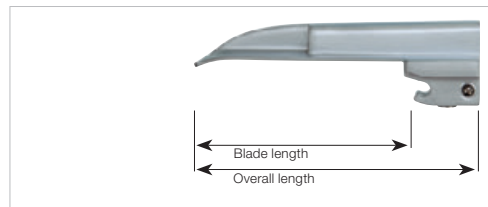
- ∴ **The Miller Classic+ blades with improved geometry simplify intubation.**
The shortened shoulder of the blade dramatically improves the anesthetist's view of the epiglottis and vocal cords. The distal lip of the blade features a special atraumatic shape.
- ∴ **HEINE HiLite fiber bundle** with up to 6,500 individual micro-fibers for improved light transmission and longer life.
- ∴ **Both ends of the large fiber bundle** are protected – for life.
- ∴ **HEINE Classic+ blades have no screwed joints**, no external fiber bundles and no openings that could contaminate.
- ∴ **The clean shape without any edges or corners is easy to clean 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.**
- ∴ **5 years guarantee.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.
- ∴ **HEINE Paed laryngoscopes** have been developed specifically for the intubation of neonates and infants.



Miller 2 side-view



WIS 2 side-view



Paed 1 side-view

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

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

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

A useful Tip for a difficult intubation

∴ Swivelling blade tip

∴ Clear view

∴ 5 year guarantee

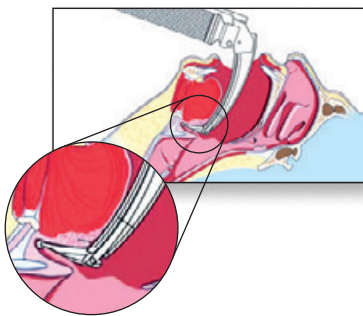


[01]

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.** 4000 standard autoclave cycles of 134 °C/4 min. with more than 1000 lux.

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





HEINE® XP Disposable Laryngoscope Blades

Eliminate cross-infection



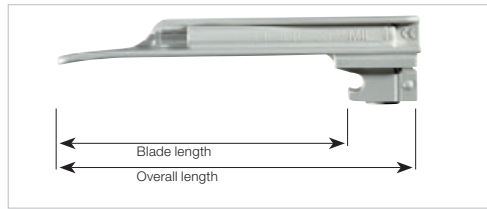
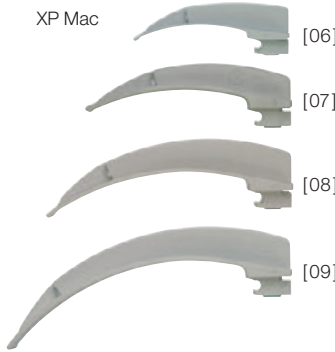
XP Miller



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

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

XP Mac



XP Miller 1 side-view



XP Mac 2 side-view

- ∴ Hygienic and safe
- ∴ Extremely bright light
- ∴ Torsional stiffness

| 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 090.

⊗: 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

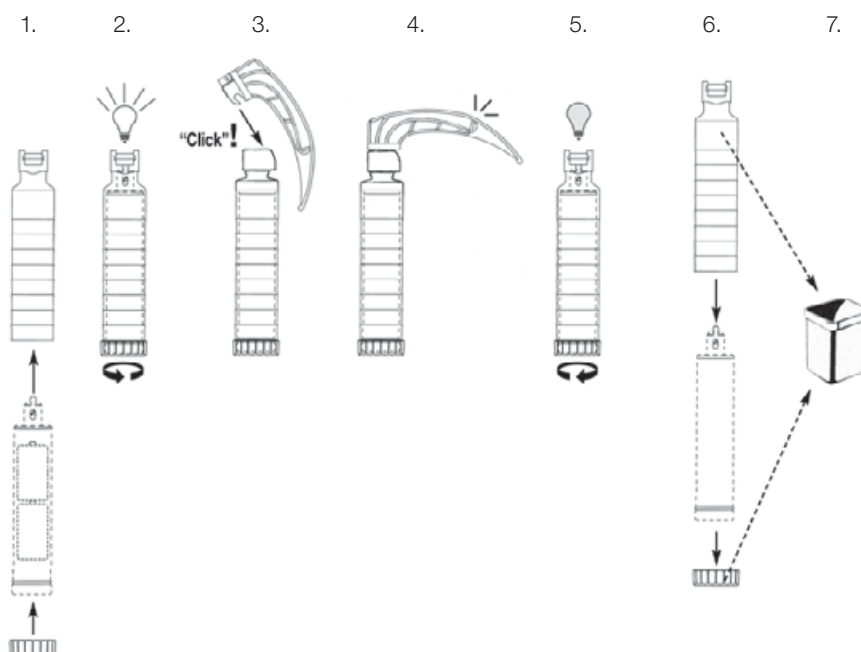
without laryngoscope insert, pack of 25

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 NT 4 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**



LED HQ
LED NOW IN HEINE QUALITY.

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®, 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

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

- EXCLUSIVELY AT HEINE**
- 100% waterproof
 - Autoclavable LED technology
 - Simple, safe reprocessing

FAIL-SAFE

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



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

* Delivery without batteries.

HYGIENIC REPROCESSING OPTIONS:**

| Reprocessing process → | Wipe disinfection | Manual immersion disinfection | Low temperature gas plasma sterilisation (STERRAD®/STERIS®) | Mechanical cleaning + disinfection (thermal disinfectant) | Steam sterilisation/ autoclave |
|------------------------|-------------------|-------------------------------|---|---|--------------------------------|
| Temperature | Cold | < 60 °C | < 60 °C | max. 93 °C | max. 134 °C/3 min |
| with batteries | ✓ | ✓ | ✓ | Batteries removed previously | Batteries removed previously |
| with HEINE LED | ✓ | ✓ | ✓ | ✓ | ✓ |

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

HEINE® F.O. 4 NT Laryngoscope Handles

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



- Compatible with all laryngoscope blades to the ISO 7376 (green standard).
 - HEINE Standard F.O. 4 NT 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.
 - HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
- That's what we call LED in HEINE Quality – or LED^{HQ}.**



*Charge Status Indicator in the bottom insert.
Typ. 13 hours operation time.



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

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

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

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

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

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

**Delivery without batteries.

Please note: All Li-ion versions can only be charged with the NT 4 table charger.



HEINE® NT 4 Table Charger and Adaptors



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

| NT 4 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. 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 NT300 table charger.

| F.O. Angled Handle | 2.5V | 3.5V NiMH | 3.5V Li-ion L |
|---------------------------------------|--------------|--------------|---------------|
| F.O. Angled Handle, complete [01] | F-001.22.941 | F-002.22.942 | F-007.22.945 |
| Bottom 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 |

HEINE F.O. SP Laryngoscope Handle

For use with disposable blades



[01]

Cost-effective high quality battery handle with SANALON+ connector. Exclusively for use with XP disposable blades made of plastic. Available only as the battery version.

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

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



[01]

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

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



[02]

As above, but with LED illumination, without spare bulb

| LED HQ Classic+ Sets | 2.5V | 3.5V Li-ion |
|---|---------------------|----------------------|
| with Standard F.O. LED Battery Handle | F-119.18.860 | |
| with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger | | F-119.94.865* |
| ▶ with EasyClean LED Battery Handle [02] | F-119.18.820 | |



[01]

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

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



[02]

As above, but with LED illumination, without spare bulb

| LED HQ Classic+ Sets | 2.5V | 3.5V Li-ion |
|---|---------------------|----------------------|
| with Standard F.O. LED Battery Handle | F-120.18.860 | |
| with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger | | F-120.94.865* |
| ▶ with EasyClean LED Battery Handle [02] | F-120.18.820 | |

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



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



[01]

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

| FlexTip+ Sets | 2.5V | 3.5V Li-ion |
|--|---------------------|----------------------|
| with Standard F.O. Battery Handle [01] | F-230.10.860 | |
| with Standard F.O. 4 NT Rechargeable Handle with Li-ion Battery and NT 4 table charger | | F-230.23.865* |

As above, but with LED illumination, without spare bulb

| LED ^{HD} FlexTip+ Sets | 2.5V | 3.5V Li-ion |
|--|---------------------|----------------------|
| with Standard F.O. LED Battery Handle | F-230.18.860 | |
| with Standard F.O. 4 LED NT Rechargeable Handle with Li-ion Battery and NT 4 table charger | | F-230.94.865* |
| ▶ with EasyClean LED Battery Handle | F-230.18.820 | |

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

HEINE® XP Emergency Set with XP Disposable Blades



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

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

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

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

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

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

**Exclusively for use with disposable blades made of plastic

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



HEINE Dermatoscopes



| | DELTA 20 T | iC 1 | NC 2 | mini 3000 LED | mini 3000 |
|--------------------------|--|--|--|---|---|
| Polarisation | Polarised + non-polarised (switchable) | Polarised + non-polarised (switchable) | Polarised | Non-polarised (immersion) | Non-polarised (immersion) |
| Illumination | LED ^{HQ} | LED ^{HQ} | LED ^{HQ} | LED ^{HQ} | XHL |
| Magnification | 10 to 16x | Up to 40x digital | 6x/ 10x Up to 30x digital | 10x | 10x |
| Battery/charging options | <ul style="list-style-type: none"> • Battery handle • USB rechargeable handle • Rechargeable handle for table charger | USB cable | USB cable | <ul style="list-style-type: none"> • AA batteries • Rechargeable handle for table charger | <ul style="list-style-type: none"> • AA batteries • Rechargeable handle for table charger |
| Contact plate | <ul style="list-style-type: none"> • Contact plate with scale • Contact plate without scale | <ul style="list-style-type: none"> • Contact plate with scale | <ul style="list-style-type: none"> • Contact plate with scale | <ul style="list-style-type: none"> • Contact plate with scale • Contact plate without scale | <ul style="list-style-type: none"> • Contact plate with scale • Contact plate without scale |
| Photographs possible? | Yes, with optional SLR photo adaptor | Yes, with iPhone/iPod touch | Yes, with adaptor for iPhone/iPod touch | – | – |
| 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 |
| Catalogue page | 093 / 097 | 094 / 097 | 095 / 098 | 096 / 098 | 096 / 098 |

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® 20 T Dermatoscope

You can't treat what you can't see

LED^{HQ}
LED NOW IN HEINE QUALITY.



[01]

- ∴ **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.
- ∴ **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.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **The DELTA20 T 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 DELTA20 T to create an unbeatable pair.

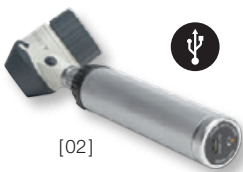


HEINE DELTA 20 T film



- ∴ **Special small contact plate for the examination of difficult-to-access lesions, for instance between the fingers or toes.** See page 097 for order information.

★ TOPSELLER



[02]

Brings structure to your desk: the innovative charging system charges two handles at the same time!



[03]

| DELTA 20 T Dermatoscope Kits | LED |
|---|---------------------|
| <p>★ Kit 1: DELTA 20 T Dermatoscope with contact plate with scale, BETA 4 USB rechargeable handle with USB cord and plug-in power supply, without hard case [02]</p> | K-010.28.388 |
| <p>Kit 2: DELTA 20 T Dermatoscope with contact plate with scale and BETA 4 NT rechargeable handle, without hard case [01]</p> | K-010.24.396 |
| <p>Kit 3: 2x DELTA 20 T Dermatoscope with contact plate with scale, 2x BETA 4 NT rechargeable handle and NT 4 table charger, without hard case [03]</p> | K-012.24.422 |



HEINE® iC 1 Dermatoscope

Dermatoscopy goes digital. And mobile.



Free
HEINE iC 1 App



∴ **Sharp, sharper, sharpest.** The HEINE iC 1 is a device designed for capturing clinical and dermatoscopic images for documenting and supporting differential diagnosis of melanomas and other skin lesions. And in our unrivalled quality. Sharp and shadow-free.
Thanks, on the one hand, to our precise, aspherical optical system and, on the other, the 12-megapixel image quality when using an iPhone®* 6s or a later model. Simply download iC 1 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.
∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.

That's what we call LED in HEINE Quality – or LED^{HQ}.

∴ **At the press of a button – the toggle function.** With two switching buttons, the option to switch back and forth between polarisation and immersion images is always within easy reach, regardless of the working position.

∴ **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.

★ TOPSELLER



| | |
|---|---------------------|
| iC1 Set/5 for iPhone 5s and SE | LED |
| iC 1 with contact plate with scale, mounting case smartphone iC 1/5 for Apple iPhone 5s and SE, USB cord with medical approved plug-in power supply | K-271.28.305 |

| | |
|---|---------------------|
| iC1 Set/6 for iPhone 6/6s | LED |
| See above, but with mounting case smartphone iC 1/6 for Apple iPhone 6/6s | K-270.28.305 |

| | |
|--|---------------------|
| iC1 Set/7 for iPhone 7 and 8 | LED |
| See above, but with mounting case smartphone iC 1/7 for Apple iPhone 7 and 8 | K-273.28.305 |

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, digital HEINE iC 1 dermatoscopes. Just one highly intelligent investment can help integrate patient data, manage images, monitor progression and increase patient loyalty – and makes work independent, convenient and intuitive. More information can be found on our website: www.heine.com/en/digital



HEINE® NC 2 Dermatoscope

The all-in-one dermatoscope

LED^{HQ}
LED NOW IN HEINE QUALITY.



Laden im
App Store
Free
HEINE NC2 App



- ∴ **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 free NC2 app we've developed 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.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **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

★ **TOPSELLER**



| NC2 Dermatoscope Sets | LED |
|---|---------------------|
| ★ NC 2 Dermatoscope (incl. USB handle), contact plate with scale , USB cord with E4-USB medical approved plug-in power supply, carry bag [01] Please order mounting case smartphone separately, see accessories page 098. | D-841.78.120 |
| See above, but without contact plate | D-842.78.120 |

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



HEINE mini3000® LED Dermatoscope

Even our smaller models are great

LED^{HQ}
LED NOW IN HEINE QUALITY.



- ∴ **Modern pocket dermatoscope with handy dimensions:** small on the outside, but huge on the inside.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Twice as bright** as a conventional XHL Xenon Halogen dermatoscope with maintenance-free LED^{HQ} illumination – no longer a need to replace the light source.
- ∴ **Exclusive Battery Performance Indicator:** When the instrument is switched on, the maximum light intensity is shown, then the light intensity is regulated down to the level that corresponds to the current charge status of the battery so you know when your batteries need changing.
- ∴ **Fade-Out Feature:** brightness reduces slowly even with low residual capacity, for even more efficient use of dry or rechargeable batteries.
- ∴ **10x magnification** with focusing optics.
- ∴ **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 lesions, for instance between the fingers or toes.
- ∴ **Handle in black or blue.**

★ **TOPSELLER**



| mini3000 Dermatoscope Sets | 2.5V LED |
|--|---------------------|
| ★ mini3000 LED Dermatoscope with contact plate with scale , 10 ml dermatoscopy oil, mini3000 Battery handle with batteries, zipper case | D-888.78.021 |
| see above, but with contact plate without scale | D-887.78.021 |

| mini3000 LED Dermatoscope | 2.5V LED |
|---|---------------------|
| on mini3000 battery handle with batteries, contact plate with scale and 10 ml dermatoscopy oil | D-008.78.109 |
| see above, but with contact plate without scale | D-008.78.107 |

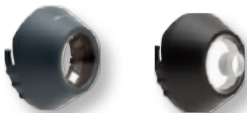
HEINE mini3000® XHL Dermatoscope

The mini3000 with XHL illumination can do it all just as well as its little big brother with LED^{HQ} (see above). Except with XHL illumination. Authentic colour rendering and even illumination thanks to concentrated, bright Xenon Halogen light.



| mini 3000 Dermatoscope | 2.5V XHL |
|---|---------------------|
| on mini3000 battery handle with batteries, contact plate with scale , and 10 ml dermatoscopy oil | D-001.78.109 |
| see above, but with contact plate without scale | D-001.78.107 |

Accessories for DELTA 20 T Dermatoscope



[01] [02]



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

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

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

| SLR Photo adaptor | |
|--|--------------|
| for Dermatoscope/digital SLR camera, with optics. Wide Field of View, crisp image | |
| for Canon | K-000.34.185 |
| for Nikon | K-000.34.186 |

| Adaptor cord | |
|------------------------------|--------------|
| (1.3m) for instrument/handle | X-000.99.231 |

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

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

Accessories for iC 1 Dermatoscope



[01]



[02]

| Accessories | |
|--|--------------|
| Contact plate with scale [01] | K-000.34.201 |
| Mounting case smartphone iC 1/7 for Apple iPhone 7/8 [02] | K-000.34.253 |
| Mounting case smartphone iC 1/6 for Apple iPhone 6/6s | K-000.34.250 |
| Mounting case smartphone iC 1/5 for Apple iPhone 5s/SE | K-000.34.251 |
| iPod mounting case iC 1/T6 for Apple iPod touch 6th generation | K-000.34.252 |
| USB cord with E4-USB medical approved plug-in power supply | X-000.99.303 |

Accessories for NC 2 Dermatoscope



| Accessories | |
|---|--------------|
| Contact plate with scale [01] | D-000.78.114 |
| Mounting case smartphone NC 2/7 for Apple iPhone 7/8 [02] | D-000.78.127 |
| Mounting case smartphone NC 2/6 for Apple iPhone 6/6s | D-000.78.126 |
| Mounting case smartphone NC 2/5 for Apple iPhone 5s/SE | D-000.78.125 |
| iPod mounting case NC 2/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 |

Accessories for mini3000 LED / XHL Dermatoscope



| mini3000 LED Dermatoscope Head | |
|--|--------------|
| with contact plate with scale , without handle | D-008.78.108 |
| with contact plate without scale , without handle | D-008.78.106 |

| mini 3000 XHL Dermatoscope Head | |
|--|--------------|
| with contact plate with scale , without handle | D-001.78.108 |
| with contact plate without scale , without handle | D-001.78.106 |

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

| Dermatoscopy oil | |
|--|--------------|
| Pack of 6x 10ml. Reduces reflexes on the outer layers of skin. | K-000.34.005 |

| XHL Xenon Halogen spare bulb | |
|------------------------------|--------------|
| for mini3000 Dermatoscope | X-001.88.109 |

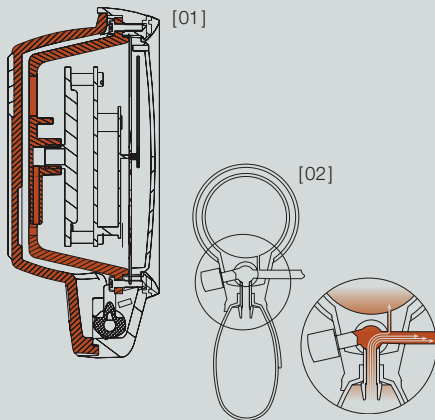
| Zipper case | |
|---------------------------|--------------|
| for mini3000 Dermatoscope | D-887.00.000 |

**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

∴ Aluminium upper housing

∴ 10 year guarantee

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



∴ Shockproof

∴ Latex-free

∴ Shock-absorbing housing

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

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

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

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

HEINE GAMMA® GP

The HEINE standard sphygmomanometer with push-button valve



∴ Shockproof

∴ Latex-free

∴ Shock-absorbing housing

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

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

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

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

HEINE GAMMA® XXL LF

The top-quality professional model

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



[01]

∴ Oversized scale

∴ Latex-free

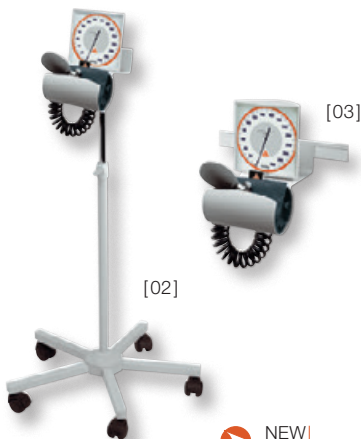
∴ 10 year guarantee

- ∴ **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 [01] | M-000.09.323 |
| LF-S Wheeled stand [02] | M-000.09.326 |
| LF-R Rail [03] | M-000.09.325 |
| LF-T Desk (non-spiral insufflation tube) [04] | M-000.09.322 |
| NEW: GAMMA XXL LF-WB for Wallboard, see page 153 [05] | M-000.09.327 |

| 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 |



[02]

[03]



[04]



[05]

NEW!

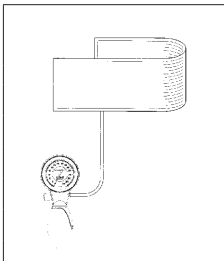
Blood-pressure cuffs and accessories

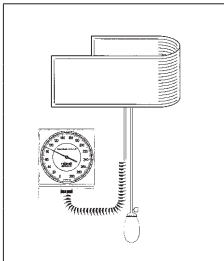
Latex-free blood-pressure cuffs



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

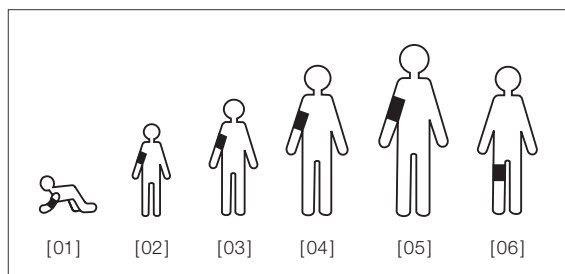
- ✦ Latex-free.
- ✦ Fit the most widely used sphygmomanometers.
- ✦ High-quality velcro cuffs made of wear-resistant material. Physiologically tested.
- ✦ Double-sewn.
- ✦ Washable.
- ✦ Index mark for exact positioning.
- ✦ Clear indication of size and control mark for arm circumference.
- ✦ Extra thick, 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® EN200 BP Automatic Digital Sphygmomanometer

For reliable and medical relevant measurement values



[01]

- ∴ **Outstanding measurement accuracy with absolutely precise results (+/- 3 mmHg).**
- ∴ **Digital, fully automatic and with intuitive menu navigation.** Easy to use, optimises the workflow and saves time.
- ∴ **Graphic display with 16 mio. colours and touch screen.**
- ∴ **Reliably detects cardiac dysrhythmia and motion artifacts.**
- ∴ **Improved hygienic reprocessing** due to optimised design and without any moving control elements.
- ∴ **Three measuring modes.** Two automatic and one manual measurement mode: rapid single measurements, double measurements and manual measurements (auscultation with stethoscope). Offers reliable and medical relevant measuring values for a professional diagnostic in every situation of day-to-day medical care.
- ∴ **Quick release connector.** Cuffs (reusable cuffs and single-patient use cuffs) can be changed within seconds – the correct cuff size for every patient.
- ∴ **Capable of memorising** recent blood pressure and pulse readings. 500 memory spaces per measurement mode.

Core ABPM Measure Technology exclusively manufactured for HEINE by ERKA.

EXCLUSIVELY AT HEINE

- Outstanding measurement accuracy
- Digital, fully automatic
- Memory capacity

| EN200 BP Automatic Digital Sphygmomanometer | |
|---|--------------|
| EN200 BP as single module with long USB cord and E4-USB plug-in power supply, coiled tubing to connect cuffs, without cuffs [01] | M-000.09.202 |
| EN200 BP for use with the EN200 Wall Transformer (with short USB cord), coiled tubing to connect cuffs, without cuffs | M-000.09.201 |

∴ **The HEINE Cuff Basket** offers an optimised workflow.



[02]

| Accessories | |
|--|--------------|
| Cuff Basket (175 mm x 170 mm x 97,7 mm) [02] | M-000.09.140 |
| Coiled tubing to connect cuffs | M-000.09.091 |
| USB cord, short | X-000.99.203 |
| USB cord, long | X-000.99.204 |
| E4-USB plug-in power supply | X-000.99.305 |

HEINE® EN200 BP Sets



| EN200 BP as Single Module | |
|---|--------------|
| Set complete with EN200 BP as single module (and long USB cord, E4-USB plug-in power supply), coiled tubing to connect cuffs, 3 Quick Cuff reusable cuffs (adult, small / adult / adult, large) | M-000.09.171 |
| EN200 BP for EN200 Wall Transformer | |
| Set complete with EN200 BP for use with the EN200 Wall Transformer (and short USB cord), coiled tubing to connect cuffs, 3 Quick Cuff reusable cuffs (adult, small / adult / adult, large) | M-000.09.170 |

Cuffs for EN200 BP

Various cuffs for every area of application

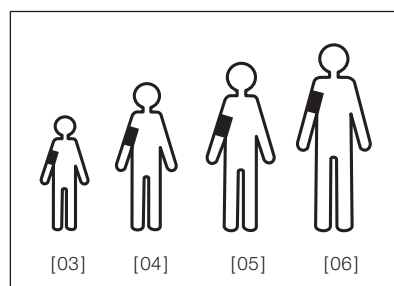
- ∴ **Easy handling.** Cuff with integrated bladder. Simplified hygienic reprocessing.
- ∴ **Excellent skin compatibility.** Latex and PVC free. Biocompatible.
- ∴ Available as **Reusable Cuffs** or **Single-Patient Use Cuffs**.
- ∴ **Colour-coded tubes** (every cuff size has a different colour).



| Quick Cuff (Reusable) | Size/ cm | Circumference/ cm | |
|-----------------------|----------|-------------------|---------------------|
| Adult, small [03] | 42x12 | 20,5 – 28 | M-000.09.803 |
| Adult [04] | 52x14 | 27 – 35 | M-000.09.804 |
| Adult, large [05] | 66x17 | 34 – 43 | M-000.09.805 |
| Adult, XL [06] | 83x21 | 42 – 54 | M-000.09.806 |



| Quick Cuff Single Patient (in packs of 10) | Size/ cm | Circumference/ cm | |
|--|----------|-------------------|---------------------|
| Adult, small (10 pcs.) [03] | 42x12 | 20,5 – 28 | M-000.09.813 |
| Adult (10 pcs.) [04] | 52x14 | 27 – 35 | M-000.09.814 |
| Adult, large (10 pcs.) [05] | 66x17 | 34 – 43 | M-000.09.815 |





HEINE GAMMA® STETHOSCOPIES

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

HEINE GAMMA® 3.1 Pulse Stethoscope

For fine acoustic performance.



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

GAMMA 3.1

M-000.09.941

HEINE GAMMA® 3.2 Acoustic Stethoscope

For excellent acoustic performance.



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

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

GAMMA 3.2

M-000.09.942

HEINE GAMMA® 3.3 Acoustic Stethoscope

For the examination of children.



Technical data as GAMMA 3.2.

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

GAMMA 3.3

M-000.09.943

HEINE GAMMA® C3 Cardio Stethoscope

Specially developed for cardiology.



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

GAMMA C3

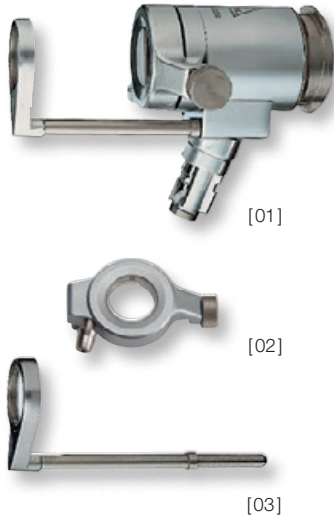
M-000.09.944

**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 (X-002.98.002).

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

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

HEINE UniSpec® Disposable Tubes



85x20mm 130x20mm 250x20mm

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

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

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

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

⊗: Single use only.

HEINE Anoscope/Proctoscope Illumination Head



[01]

One single illumination head for all the tubes shown on this page.

For 2.5V or 3.5V handle or Fiber Optic illumination with Fiber Optic projector and cable.

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



[02]



[03]

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

Tubes with straight direction of view



60x22mm

120x22mm

Anoscope/Proctoscope with proximal illumination.

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

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

Tubes with 90° direction of view (Blond)



100x20mm

130x25mm

Proctoscope with proximal illumination.

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

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

HEINE F.O. Anoscopes with annular Fiber Optic Illumination



70x25mm



70x20mm



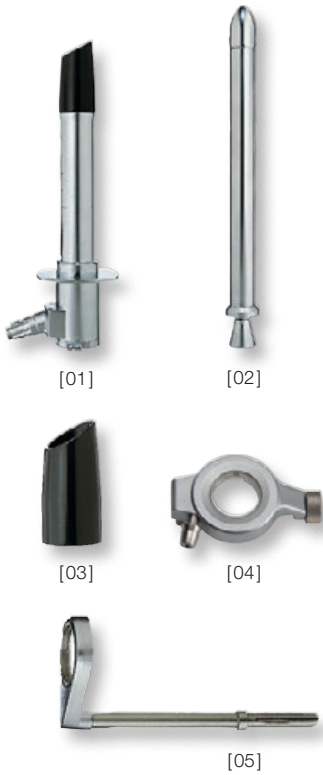
70x15mm

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

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

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

HEINE F.O. Proctoscopes with Distal Annular Illumination



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

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

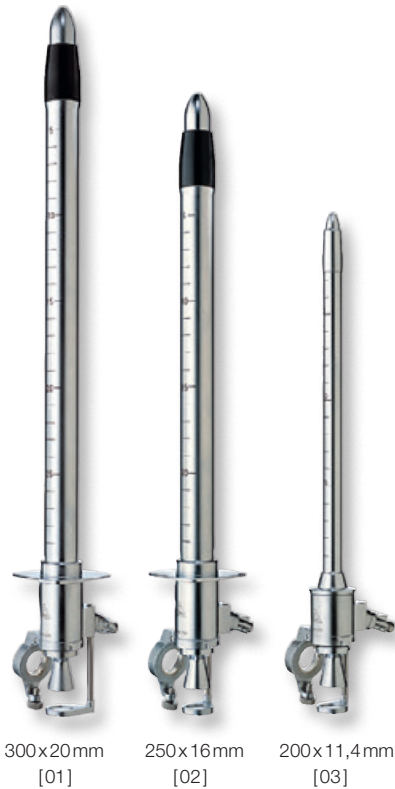
| Proctoscope | F.O. |
|---|---------------------|
| 130x20 mm dia., complete with obturator, viewing window, swivel lens and end-piece | E-003.19.213 |
| Proctoscope tube without accessories [01] | E-003.19.013 |
| Obturator, only [02] | E-003.19.113 |
| End-piece, only [03] | E-003.19.095 |
| Viewing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



HEINE F.O. Sigmoidoscopes with Distal Annular Illumination

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

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



300x20 mm [01] 250x16 mm [02] 200x11.4 mm [03]



| Sigmoidoscope | F.O. |
|---|--------------|
| 300x20 mm dia. with obturator, viewing window, swivel lens and end-piece [01] | E-003.18.230 |
| End-piece, only | E-003.18.095 |
| 250x20 mm dia. with obturator, viewing window, swivel lens and end-piece | E-003.18.225 |
| End-piece, only | E-003.18.095 |
| 200x20 mm dia. with obturator, viewing window, swivel lens and end-piece | E-003.18.220 |
| End-piece, only | E-003.18.095 |
| 250x16 mm dia. with obturator, viewing window, swivel lens and end-piece [02] | E-003.18.525 |
| End-piece, only | E-003.18.088 |
| 200x11.4 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 |

Double Bulb Insufflator/Hygiene Filter

For use with anoscope, proctoscope and rectoscope

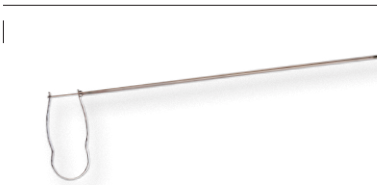


- **Latex-free double bulb insufflator** for air insufflation.
- For possible use with anoscope, proctoscope and rectoscope.
- **Disposable hygiene filter** minimises contamination of the double bulb insufflator.

| | |
|-------------------------|--------------|
| Double Bulb Insufflator | E-000.18.105 |
|-------------------------|--------------|

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

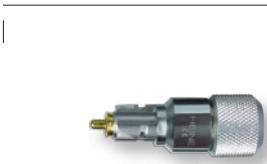
Sponge Holder



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

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

HEINE Illumination Adaptor



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

| | |
|-----------------------------|-----------------|
| Illumination adaptor | 3.5V XHL |
|-----------------------------|-----------------|

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

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

Sigmoidoscope/Proctoscope Kit 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
 Sponge holder
 Double bulb insufflator
 F.O. Projector HK7000, 150 W
 Fiber Optic cable

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

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

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
 Sponge holder
 Double bulb insufflator
 Illumination adaptor
 Connecting cord 2 m
 BETA4 USB Rechargeable Handle with
 E4-USB Medical approved plug-in power supply

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



**Let
there
be
LIGHT.**





HEINE EL 10 LED® Examination Light

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



The EL10 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.
- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE quality – or LED^{HQ}.
- ∴ **3 different mounting options.** Wall mounting, clamp for table-top mounting or on a wheeled stand.
- ∴ **Solid construction.** Reliable operation and illumination power for many years.
- ∴ **Hygiene.** Easy and efficient cleaning and disinfection.
- ∴ **Coiled goose neck.** Easy and intuitive adjustment.
- ∴ **An electrical control system** monitors all functions and guarantees safety.

∴ Continuous adjustment

∴ One-hand operation

∴ Compact design

| EL 10 LED Examination Light | LED |
|--|--------------|
| with wall mount [01] | J-008.27.001 |
| with clamp for table-top mounting [02] | J-008.27.002 |
| with wheeled stand, metal base [03] | J-008.27.003 |
| Clamp for table-top mounting for EL10 LED | J-000.27.013 |
| Wheeled stand, metal base with mount for EL10 LED (Height 80 cm) | Y-096.50.010 |
| Mount for wheeled stand [04] | J-000.27.014 |



HEINE EL3 LED Examination Light

Simply bright LED illumination in LED^{HQ}

LED^{HQ}
LED NOW IN HEINE QUALITY.



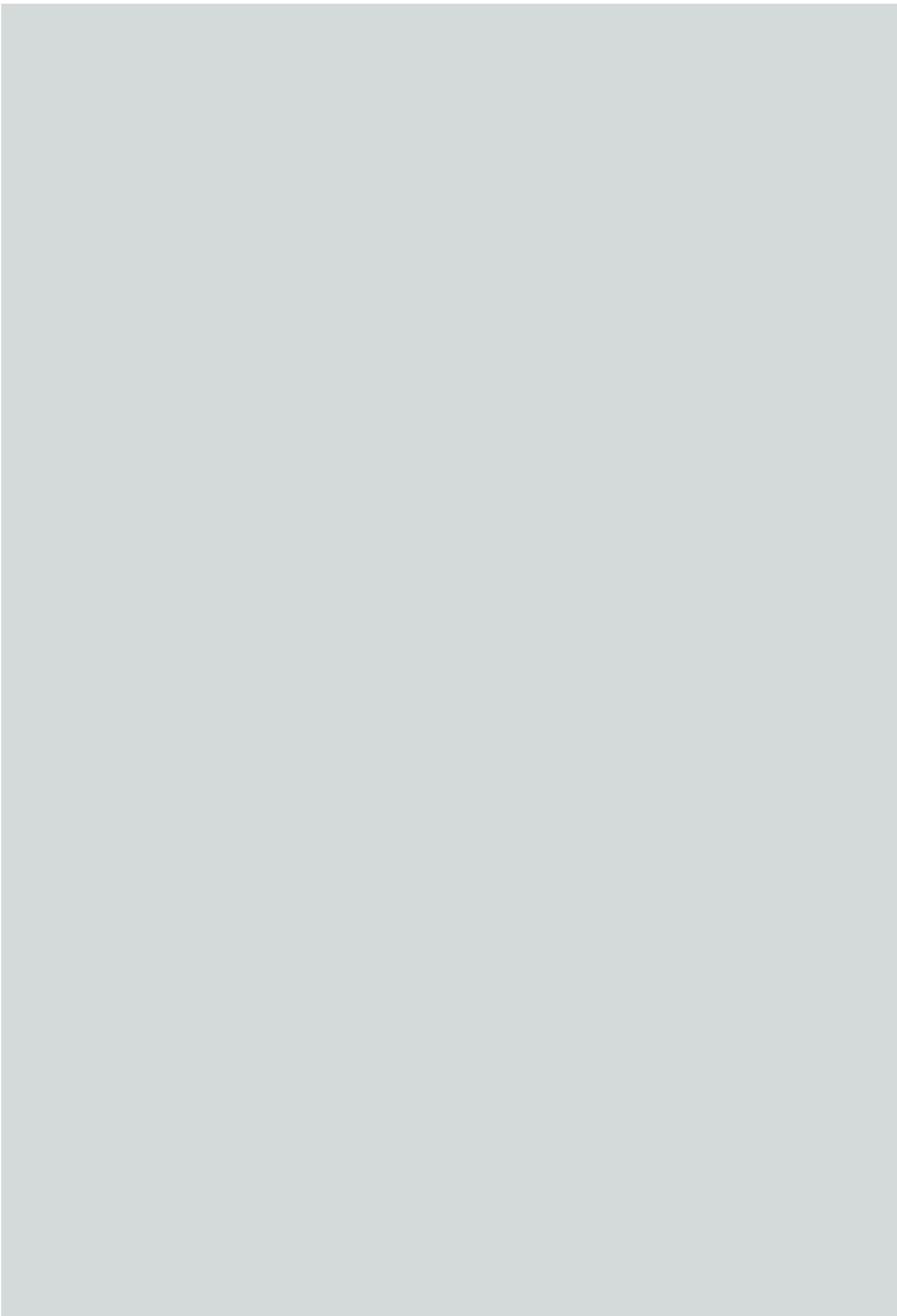
- ⋄ **Simply bright.** The EL3 LED provides bright, shadow-free illumination precisely at the point of interest.
- ⋄ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity and thermal management to a colour rendering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

- ⋄ Shadow-free illumination
- ⋄ LED in HQ
- ⋄ Maintenance-free and easy to clean

| EL 3 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 EL 3 LED | J-000.27.013 |
| Wheeled stand, metal base with mount for EL 3 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 Headband Professional L) and LoupeLight 2 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)

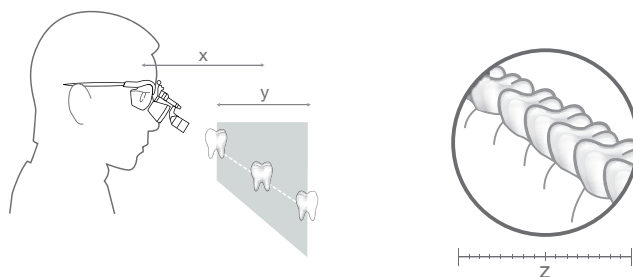
The distance, at which the optics of a loupe are sharply-focused.

∴ 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 | | | |
| 2.3x | | | <input type="checkbox"/> |
| 2.5x | <input type="checkbox"/> | | |
| 3.5x | | <input type="checkbox"/> | |
| 4x | | <input type="checkbox"/> | |
| 6x | | <input type="checkbox"/> | |
| Working distance | | | |
| 250mm (with close-up lenses) | <input type="checkbox"/> | -- | -- |
| 340mm | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 420mm | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| 450mm | -- | -- | <input type="checkbox"/> |
| 520mm | <input type="checkbox"/> | -- | -- |
| Mounting options | | | |
| S-FRAME | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Lightweight Headband | | | |
| | -- | -- | <input type="checkbox"/> |
| Professional Headband | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Simple Metal Frame | | | |
| | -- | -- | <input type="checkbox"/> |
| Accessories | | | |
| Close-up Lenses* | <input type="checkbox"/> (for 340mm) | -- | -- |
| Protective Lenses | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LoupeLight 2 (Pages 129/130) | | | |
| | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Features | | | |
| i-View Function** | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Modular | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Water-resistant | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Achromatic Optics | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Optional Prescription Correction | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Page | 122 – 123 | 124 – 125 | 126 |

* To reduce the working distance to 250mm.

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



HEINE® HR 2.5x High Resolution Binocular Loupes

With i-View loupe mount



∴ Multi-coated Achromatic Optics

∴ Exceptional Focal Range

∴ Crisp, High-Resolution Image

∴ Unique i-View Loupe Mount

HR 2.5x Optics with i-View

- ∴ **Achromatic optics** for crisp, bright images with colour-correction.
- ∴ **Lightweight** (51 g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **High magnification** with a large field of view and excellent depth of field.
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight 2.

HR 2.5x Specifications

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



Optional clip-in correction frame

Mounting Options:

∴ HEINE® S-FRAME

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



Professional L Headband with S-GUARD

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

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



Professional L Headband without S-GUARD

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

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

HEINE® HR 2.5x High Resolution Binocular Loupes

With i-View loupe mount



Set A



Set B
with S-GUARD



Set C
without
S-GUARD

HR 2.5x Sets with i-View loupe mount

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

For details of accessories and LoupeLight 2 see pages 128 – 130.



HEINE® HRP High Resolution Prismatic Binocular Loupes

With i-View loupe mount



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

HRP Optics with i-View

- ⌘ **Achromatic optics** for crisp, bright images from edge-to-edge.
- ⌘ **Lightweight** (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 LoupeLight 2.

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:



Optional clip-in correction frame

⌘ HEINE® S-FRAME

- ⌘ **Maximum comfort** with a modern, ergonomic design.
- ⌘ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ⌘ **Innovative materials** – Carbon-Kynetium reduces weight (24g).
- ⌘ **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® HRP High Resolution Prismatic Binocular Loupes

With i-View loupe mount



Set A



Set B
with S-GUARD



Set C
without
S-GUARD

HRP Sets with i-View loupe mount

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

For details of accessories and LoupeLight 2 see pages 128 – 130.



HEINE® C 2.3 Binocular Loupes

The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.



C 2.3

- ∴ **Crisp, clear images.** Multi-coated, scratch-resistant silica glass lenses produce crisp, clear images.
- ∴ **Flexibility for precise adjustment.** Independently adjustable PD controls ensure precise alignment of the optics.
- ∴ **Super lightweight and comfortable – only 46g.** Flexible coil temples wrap-around to fit the user's anatomy securely and comfortably. Spring-loaded temples will adjust to the user's anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C 2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340mm or 450mm (13 or 18 inches).
- ∴ Also available as C2.3K on Lightweight Headband.



C 2.3K

| Specifications | C 2.3x/340 mm | C 2.3x/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 C 2.3x/340 mm | Effective working distance C 2.3x/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 C 2.3K Series loupe can also be worn without the use of spectacles. Should you prefer to examine without glasses, the charts illustrate how your refractive error will affect the loupe working distance. If you are unsure of your prescription, please consult your eye care provider.

C 2.3/C 2.3K Binocular Loupes

| | |
|-----------------------------------|---------------------|
| C 2.3/340 Loupe in case | C-000.32.039 |
| C 2.3/450 Loupe in case | C-000.32.202 |
| C 2.3K/340 Headband Loupe in case | C-000.32.230 |
| C 2.3K/450 Headband Loupe in case | C-000.32.231 |

Accessories



| C 2.3/C 2.3K Binocular Loupe Accessories | |
|--|---------------------|
| Protective case for the C 2.3 Loupes and accessories | C-000.32.038 |
| Detachable protective lenses for C 2.3 and C 2.3K. To protect the optics. | 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]



Mounting options

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

C-000.32.302

* with protective lenses, large (lg).

Professional L HeadbandFor **HR and HRP** optics

C-000.32.549

Accessories for optics

HR Close-up Lenses in case

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

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

C-000.32.523

Protective LensesTo protect the optics of the **HR and the HRP** loupesProtective Lenses for **HR** loupes (5 pairs) [01]

C-000.32.537

Protective Lenses for **HRP** loupes [02]

C-000.32.027

Sterilisable Swivel LeversFor **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® LoupeLight 2

Compact LED^{HQ} Headlight – now even brighter

LED^{HQ}
LED NOW IN HEINE QUALITY.



EXCLUSIVELY AT HEINE

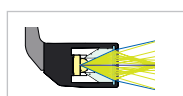
- Compact and Lightweight
- Coaxial Illumination
- Typ. 55,000 Lux

- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
- **That's what we call LED in HEINE Quality – or LED^{HQ}.**
- **Compact, lightweight (50 g).** Ensures perfect comfort.
- **Aluminium Housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management.
- **Coaxial Illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Optional Filter.** Polarisation filter P2 improves contrast and yellow filter reduces blue light.
- **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5 m. Connects the LoupeLight 2 with the mPack mini.
- **Incl. coloured attachment clips for personalisation.** To fixate the cable and to identify your LoupeLight.

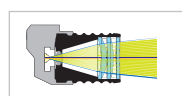
Technical Specification

| | |
|----------------------|--|
| 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) |

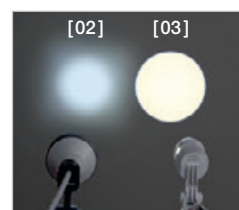
- **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous illumination of the whole field of view and a clearly defined light spot.



Conventional System [02]



HEINE Precision 4-Lens System [03]



Comparison of homogeneity

HEINE® mPack mini

Compact and lightweight power source for LoupeLight 2 / MicroLight 2



- **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 101 mm the power source can be easily stowed.
- **For further information on the mPack mini, please see pages 133 and 150.**



HEINE® LoupeLight 2 and Accessories

Ordering Information



| LoupeLight 2 | |
|---|--------------|
| LoupeLight 2 for HR/HRP Loupes with i-View loupe mount [01] | C-008.32.226 |
| Detachable Yellow Filter [02] | C-000.32.241 |
| Polarisation filter P2 for LoupeLight 2 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 2,4 mm) for LoupeLight 2/mPack mini [05] | C-000.32.240 |
| Connecting cord SC2 (1,5m/Ø 3,2 mm) for LoupeLight 2/mPack mini [06] | C-000.32.243 |
| LoupeLight 2 with Power Source for i-View loupe mount (HR / HRP) | |
| LoupeLight 2 with mPack mini and E4-USB plug-in transformer [07] | C-008.32.265 |
| mPack mini Belt Clip [08] | X-000.99.006 |

For further information on the mPack mini, please see pages 133 and 150. Power supplies may deviate in size and shape.

HEINE® LoupeLight 2 Sets

With mPack mini and E4-USB plug-in transformer






| LoupeLight 2 Sets with HR Binocular Loupes | | | |
|--|--------------|--------------|--------------|
| Magnification and working distance in mm | HR 2.5x/340 | HR 2.5x/420 | HR 2.5x/520 |
| HR 2.5x optics with i-View on S-FRAME and LoupeLight 2 | 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 fluid | | | |
| Cleaning cloth, carrying case | | | |

| LoupeLight 2 Sets with HRP Binocular Loupes | | | |
|--|--------------|--------------|--------------|
| Magnification and working distance in mm | HRP 3.5x/420 | HRP 4x/340 | HRP 6x/340 |
| HR 2.5x optics with i-View on S-FRAME and LoupeLight 2 | 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 fluid | | | |
| Cleaning cloth, carrying case | | | |

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

HEINE Headlights

| | MicroLight 2 | ML4 LED HeadLight | MD 1000 Headlight |
|--|---|--|---|
| |  |  |  |
| Technical Data | | | |
| Type of Light | LED | LED | F.O. |
| Light Intensity | typ. 55,000 Lux | typ. 65,000 Lux | typ. 35,000 Lux with HK 7000 Projector |
| Colour Temperature (Kelvin) | typ. 4,000K | typ. 4,500K | typ. 3,300K with HK7000 Projector |
| Spot Size (at 420mm working distance) | 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 | 80 g with S-FRAME 190 g with Lightweight Headband | 260 g 460 g with mPack UNPLUGGED | 435 g |
| Angle of Declination | Fully-adjustable | Fully-adjustable | Fully-adjustable |
| Brightness Control | 0 – 100 % | 0 – 100 % | 0 – 100 % |
| Features | | | |
| Adjustable Spot Size | -- | <input type="checkbox"/> | <input type="checkbox"/> |
| Waterproof | <input type="checkbox"/> | -- | -- |
| Optional Yellow Filter | <input type="checkbox"/> | <input type="checkbox"/> | -- |
| Polarisation Filter | -- | <input type="checkbox"/> | -- |
| Expandable with HR and HRP Loupes | -- | <input type="checkbox"/> | <input type="checkbox"/> |
| Optional Video Version | -- | <input type="checkbox"/> | -- |
| Head-worn | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Spectacle-worn | <input type="checkbox"/> | -- | -- |
| Page | 132 – 133 | 134 – 137 | 138 |



HEINE® MicroLight 2

Compact LED^{HQ} Headlight – now even brighter



EXCLUSIVELY AT HEINE

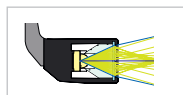
- Compact and Lightweight
- Coaxial Illumination
- Typ. 55,000 Lux

- ∴ HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
That's what we call LED in HEINE Quality – or LED^{HQ}.
- ∴ **Compact and lightweight.** Ensures perfect comfort.
- ∴ **Aluminium Housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management.
- ∴ **Coaxial illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- ∴ **Homogeneity:** An absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- ∴ **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5m. Connects the MicroLight 2 with the mPack mini.
- ∴ **Incl. coloured attachment clips for personalisation.** To fixate the cable on the S-FRAME and to identify your headlight.

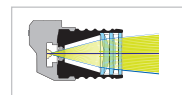
Technical Specification

| | |
|----------------------|--|
| 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) |

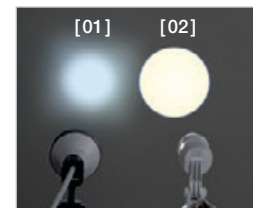
- ∴ **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous illumination of the whole field of view, and a clearly defined light spot.



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 MicroLight 2).
- ∴ **Tough polycarbonate protective lenses.**

∴ HEINE® Lightweight Headband

- ∴ **Lightweight** (190g together with MicroLight 2.) 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 LoupeLight 2 / MicroLight 2



EXCLUSIVELY AT HEINE

- Operating time typ. 9 hours
- Stepless light intensity control
- Compact and lightweight

NEW!



[01]

- **Freedom from cables** that tie the user to desk, wall or static power supplies.
- **Operating time typ. 9 hours.** In continuous operation at full power typ. 4 hours.
- **Charging time typ. 4 hours.**
- **Charge status indicator.** Display of remaining battery power with three LEDs. The flashing of the last LED indicates that immediate charging is required. During charging the LEDs light up one after the other.
- **Stepless light intensity control.** Optimum brightness setting between 100% and 3% reduces reflexes.
- **USB cord** with E4-USB Medical approved plug-in power supply.
- **The integrated galvanic separation module** protects the battery and the user against the consequences of defective power supplies, thus preventing the possibility of the full mains voltage flowing directly to the housing. We recommend the use of a medical approved plug-in power supply.
- **Simple cleaning.** Closed housing, no seams at the sides, few edges.
- **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed.
- **NEW: 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 150.

HEINE® MicroLight 2

Ordering Information



[01]

[02]

[03]

[04]

[05]

| MicroLight 2 | |
|---|---------------------|
| on S-FRAME with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer with USB cord, connecting cord, retaining cord and cleaning fluid in case [01] | J-008.31.276 |
| on Lightweight Headband with mPack mini, mPack mini Belt Clip, E4-USB plug-in transformer with USB cord, connecting cord, in case [02] | J-008.31.277 |
| Detachable Yellow Filter [03] | C-000.32.241 |
| Connecting cord SC1 (1,5m/Ø 2,4mm) for MicroLight 2/mPack mini [04] | C-000.32.240 |
| Connecting cord SC2 (1,5m/Ø 3,2mm) for MicroLight 2/mPack mini [05] | C-000.32.243 |



HEINE® ML 4 LED HeadLight

Ultra bright coaxial LED^{HQ} illumination

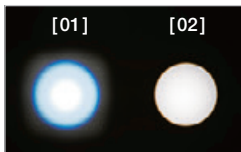
LED^{HQ}
LED NOW IN HEINE QUALITY.



∴ Comfortable and secure fit

∴ Adjustable spot size

∴ Flexible power source options



Comparison of homogeneity
[01] Competitor product
[02] HEINE ML 4 LED HeadLight

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

Technical Specification

| | |
|----------------------|---|
| Illumination | Typ. 65,000 Lux* |
| Colour Temperature | Typ. 4,500 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.

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:** EN50 Desk and wall charger, or plug-in transformer.
- ∴ **Intelligent.** Can be used as mains power supply even while in “charge” mode.
- ∴ **100 – 240V compatible transformer** incl. 4 plugs for world wide compatibility.

For the optional EN50 table/wall unit please see page 149.

∴ 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.



[01]



[02]



[03]



[04]



[05]



[06]



[07]



[08]



[09]

ML4 LED HeadLight with Headband Professional L and Power Sources

| | |
|---|---------------------|
| ML4 LED HeadLight without power source [01] | J-008.31.410 |
| ML4 LED HeadLight with plug-in transformer [01] + [02] | J-008.31.411 |
| ML4 LED HeadLight with mPack and plug-in transformer [01] + [03] | J-008.31.413 |
| ML4 LED HeadLight with mPack UNPLUGGED and plug-in transformer UNPLUGGED [01] + [04] | J-008.31.415 |
| ML4 LED HeadLight with wall mounted EN50 UNPLUGGED Charger and 2x mPack UNPLUGGED [01] + [05] | J-008.31.416 |

Power supplies may deviate in size and shape.

ML4 LED HeadLight accessories

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



HEINE® ML4 LED HeadLight with HR/HRP Optics



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

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



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], Cleaning Fluid [02]

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



ML4 LED HeadLight Kits with Power Source without S-GUARD

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

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



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 EN50 UNPLUGGED [03], 2x mPack UNPLUGGED, Cleaning Fluid [02]

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



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 EN50 UNPLUGGED [03], 2x mPack UNPLUGGED

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

HR/HRP Binocular Loupes – Retrofitting Sets

For HEINE ML4 LED HeadLight



Pos. 1



[01]



Pos. 2



[02]

Retrofitting Set HR/HRP Binocular Loupes for ML4 LED HeadLight

The sets enable you to equip your existing ML4 LED HeadLight with a binocular loupe. The set contains HR/HRP optics with i-View, S-GUARD splash protection and cleaning fluid [01]

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

| | |
|--|---------------------|
| 5 Sterilisable Swivel Levers for i-View loupe mount for ML4 LED HeadLight [02] | C-000.32.399 |
|--|---------------------|

Power Sources



[01]



[02]



[03]

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

| | |
|---|---------------------|
| mPack with EN50 Table/Wall Unit (incl. 90° Angled Adaptor, instrument support for Professional L Headband) [03] | X-095.17.302 |
|---|---------------------|

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 Headband Professional L:** Adjustable for height and width with detachable soft leather forehead cushion.
- ∴ **Adjustable light spot** with sterilizable lever.
- ∴ **Can be combined with HEINE HR and HRP Binocular Loupes** for magnification from 2.5x – 6x.
- ∴ **Can be fitted with a CCD camera.**
- ∴ **Light source: HK 7000 F.O. Projector*.**

Technical Specification

| | |
|----------------------|--|
| Illumination | Typ. 35,000 Lux with HK7000 F.O. Projector at a working distance of 250 mm |
| Colour Temperature | Typ. 3,300 Kelvin with HK 7000 F.O. Projector |
| Light Source | HK 7000 F.O. Projector |
| Spot Adjustment | Adjustable spot size from 20 mm to 70 mm at a distance of 200mm and 45 mm to 180 mm at a distance of 500mm |
| Angle of Declination | Individually-adjustable |
| Brightness control | Stepless light intensity control on Light Source |

MD1000 F.O. Headlight

with Headband Professional L*

J-003.31.231

HEINE® MD 1000 F.O. Headlight with HR/HRP Optics

The MD 1000 is optionally supplied with HR/HRP Binocular Loupes including i-View loupe mount and S-GUARD. The binocular loupe is fully-adjustable for every examiner and for every examination axis.

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



MD1000 F.O. Headlight with HR/HRP Binocular Loupes

The following order numbers include: MD 1000 F.O. Headlight, HR/HRP optics with i-View and S-GUARD, Cleaning Fluid*

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

5 Sterilisable Swivel Levers for i-View loupe mount

C-000.32.399

*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
 - BETA 4 USB rechargeable handle with USB cord and medical approved plug-in power supply
 - BETA 4 NT and BETA 4 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 NT 4 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

EXCLUSIVELY AT HEINE

- Exclusive Automatic Connector
- Li-ion technology
- Charge Status Indicator
- USB – flexible and convenient charging option

- **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.

BETA 4 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.



| | 3.5V Li-ion |
|--|---------------------|
| Rechargeable handle complete with Li-ion rechargeable battery and BETA4 NT bottom insert | X-007.99.396 |
| BETA4 NT bottom insert | X-002.99.394 |
| Li-ion rechargeable battery for BETA 4 rechargeable handle | X-007.99.383 |
| BETA Belt Clip [01] | X-000.99.008 |

BETA4 USB Li-ion rechargeable handle

- **Maximum safety.** You can charge your HEINE BETA 4 USB handle with any USB plug or other USB power source, with absolute peace of mind. The BETA4 USB handle has an integrated, exclusive Galvanic Separation Module that protects the handle, and the user, even if a faulty or inferior plug is used; thus preventing the possibility of the full mains voltage flowing directly to the handle. We do however recommend the use of a medical approved plug-in power supply.



| | 3.5V Li-ion |
|---|---------------------|
| Rechargeable handle complete with Li-ion rechargeable battery, BETA4 USB bottom insert, USB cord with medical approved plug-in power supply and handle rest | X-007.99.388 |
| Rechargeable handle complete with Li-ion rechargeable battery and BETA4 USB bottom insert (without additional accessories) | X-007.99.387 |
| Li-ion rechargeable battery for BETA4 rechargeable handle | X-007.99.383 |
| BETA4 USB bottom insert | X-002.99.395 |
| USB Cord [01] with E4-USB plug-in power supply [02] | X-000.99.303 |
| E4-USB Medical approved plug-in power supply [02] | X-000.99.305 |
| BETA Belt Clip | X-000.99.008 |

HEINE BETA® 4 SLIM NT Rechargeable Handle



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

A compact handle with automatic connector for those who prefer a slim handle. Rechargeable in NT 4 table charger fitted with the small adaptor ring.

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

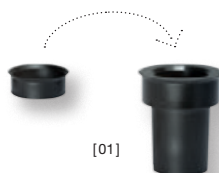
HEINE® NT 4 Table Charger



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.



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

HEINE BETA® Rechargeable Handles

Handle Range for NT300 Table Charger

PLEASE NOTE:

All the rechargeable handles shown here are only compatible with the systems of the previous generation and the NT300 table charger. Not suitable for BETA 4 rechargeable handles.



| BETA L Li-ion rechargeable handle | 3.5V Li-ion L |
|---|---------------------|
| Rechargeable handle complete with Li-ion rechargeable battery and bottom insert | X-007.99.395 |
| BETA L Bottom insert with charge status indicator | X-002.99.396 |
| Li-ion rechargeable battery for BETA L rechargeable handle | X-007.99.383 |



| BETA NT NiMH rechargeable handle | 3.5V NiMH |
|---|---------------------|
| Rechargeable handle complete with NiMH rechargeable battery and bottom insert | X-002.99.411 |
| BETA NT Bottom insert | X-002.99.412 |
| NiMH rechargeable battery for BETA NT rechargeable handle | X-002.99.382 |



| BETA SLIM NiMH rechargeable handle | 3.5V NiMH |
|--|---------------------|
| 135 mm x 19 mm Ø, rechargeable handle with NiMH rechargeable battery and bottom insert | X-002.99.471 |
| NiMH rechargeable battery for BETA SLIM rechargeable handle | X-002.99.106 |



| NT300 table charger | |
|---|---------------------|
| for BETA handles and Laryngoscope handles Angled F.O., Standard F.O., Small and Short F.O. (without handle, with adaptor) | X-002.99.495 |
| Adapter set (two pieces) for BETA SLIM and Small F.O. Laryngoscope Rechargeable Handles [01] | X-000.99.086 |

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

HEINE Large Battery Handle



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

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

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

HEINE mini 3000® Battery Handle



Innovative, compact battery handle in a high-quality, modern design.
Suitable for all mini3000 instruments.

- ∴ **Oval, compact, stylish shape.** Lies ergonomically in the hand.
- ∴ **High-quality handle: Chrome-finish upper section/refined plastic.** Shockproof, sturdy, non-slip.
- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when returned to the pocket. 20.000 switch cycles guaranteed.
- ∴ **Screw-on end cap.** For easy battery change.
- ∴ **Threaded connector made of metal.** Prevents wear.
- ∴ **Replaceable batteries.** Size AA, or optional rechargeable battery with mini NT table charger.
- ∴ **Complete range of 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.

| | |
|--|---------------------|
| mini3000 Battery Handle | 2.5V |
| with two dry batteries IEC LR6 (AA size) | D-001.79.021 |



All non-rechargeable mini handles are fitted with batteries (IEC LR 6 AA size). mini3000 handles can be supplied in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.

HEINE® mini NT Charger Set for mini3000®

Compact charging technology



⚡ Fast charge capability

⚡ Automatic charging

⚡ Charge indicator

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

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

- ⚡ **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 mini3000 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 mini3000 2.5V NiMH rechargeable battery.



mini NT table charger and accessories

| | |
|---|---------------------|
| mini NT Charger, only [01] | X-001.99.484 |
| mini3000 Rechargeable handle complete* [02] | D-001.79.022 |
| Rechargeable battery NiMH 2Z, only [03] | X-001.99.487 |
| Bottom insert for mini3000 Rechargeable Handle, only [04] | X-001.99.488 |

mini NT Adaptor Set for 1 mini2000 Handle

This set contains:

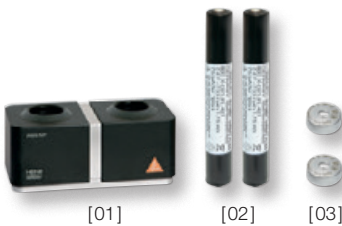


1 bottom insert [01] and 1 adaptor for mini2000 [02]. Together with a rechargeable battery it will allow the upgrade of one existing mini2000 handle.

X-001.99.493

mini NT Charger Set for 2 mini3000 Handles

With this set, existing mini3000 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 mini3000 rechargeable handle [03]

X-001.99.485



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

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



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

Plug-in transformer for ML4 LED HeadLight/OMEGA 500

X-095.16.330

HEINE® HC 50 L Headband Rheostat

Fingertip Illumination Control for OMEGA 500/UNPLUGGED



[01]

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

HC 50 L Headband Rheostat

6V

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

X-095.16.325



[02]

Plug-in transformer for HC 50 L Headband Rheostat [02]

X-095.16.330

Connecting Cord Cinch to
EN 50 charger/mPack/plug-in transformer for HC 50 L, 1,6m [03]

X-000.99.667



[03]

Wall Transformer HEINE® EN50 UNPLUGGED

Intelligent charger for mPack UNPLUGGED



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

Wall transformer EN 50 UNPLUGGED
(without mPack UNPLUGGED) 6V

X-095.17.310

⌘ Charger and wall-mount in one

⌘ Intelligent charging system

HEINE® mPack UNPLUGGED

Headband-mounted rechargeable battery

Rechargeable battery for OMEGA500 Indirect Binocular Ophthalmoscope UNPLUGGED and 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 OMEGA500 UNPLUGGED, typ. 8 hours for OMEGA500 UNPLUGGED with LED.
- ⌘ **Intelligent charging system.** Automatic changeover from operating to charging mode (in the wall unit).
- ⌘ **Top safety standards.** Integrated charge and performance checks during operation. Lithium polymer technology. UL-compliant.
- ⌘ **Registered Design.**

⌘ Headband battery (rechargeable)

⌘ LED charge status indicator



[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 ML 4 HeadLight



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



[01]



[02]



[03]

- ⚡ **Freedom from cables** that tie the user to desk, wall or static power supplies.
- ⚡ **Triple the Capacity with Li-ion Technology.** Compared with current NiCd systems. When fully charged at least 3x the capacity of conventional NiCd systems. More than double of other Li-ion systems. No memory effect.
- ⚡ **Fast Charge.** Charges to full capacity in typ. 2 hours.
- ⚡ **Charge status indicator.** Always lets you know how much operating charge you have left.
- ⚡ **Operating time:** typ. 8.5 hours for ML4 LED HeadLight, typ. 4 hours for OMEGA500, typ. 13 hours for OMEGA500 with LED.
- ⚡ **Flexible Charging Options.** Charge in the EN50 Charger base station, or with mobile plug-in transformer.
- ⚡ **Intelligent.** Automatically switches to “charge” mode when inserted in EN50. Can also be used as mains power supply even while in “charge” mode.
- ⚡ **Automatic remote power adjustment** for compatibility with all HEINE 6V and selected LED instruments.
- ⚡ **Stepless light intensity control 0.5 – 100 %.** Optimum brightness setting prevents reflexes.
- ⚡ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.

| mPack | 6V |
|--|---------------------|
| EN50-m Charger Wall/Table Unit with mPack , (incl. 90° Angled Adaptor, Instrument support for Professional L Headband [01]) | X-095.17.302 |
| mPack with Li-ion rechargeable battery and plug-in transformer | X-007.99.672 |
| mPack with Li-ion rechargeable battery, without transformer | X-007.99.671 |
| Li-ion rechargeable battery for mPack | X-007.99.676 |
| Plug-in transformer for mPack [02] | X-095.16.315 |
| Plug-in 90° Angled Adaptor (for EN50 Charger/mPack) [03] | C-000.33.509 |

Wall-/Table-Transformer HEINE® EN 50

Modular Power Supply System/charger



The HEINE Modular Power Supply System offers unsurpassed flexibility and innovative features. The EN50 powers OMEGA500 and ML 4 LED HeadLight. Furthermore, all other HEINE 6V products are compatible. The EN50 Charger, the mPack and HC50 L Headband Mounted Rheostat can be combined in every conceivable configuration.

- ∴ **Modular, compact design** functions as the base for Tabletop or Wall Mounted use and as charging base for the mPack mobile charging system.
- ∴ **Upgradeable.** mPack Charging base by simple removal of the control module.
- ∴ **Soft Start Technology.** A gradual introduction of current reduces bulb “shock” and extends bulb life.
- ∴ **100 – 240V Compatible Transformer** incl. 4 plugs for world wide compatibility.
- ∴ **Registered Design.**

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



| EN50 Charger | 6V |
|--|---------------------|
| EN50 Transformer table/wall unit with Rheostat Control Module (incl. 90° Angled Adaptor, Extension Cord Cinch-Cinch 2m, Instrument support) [01] | X-095.17.301 |
| Rheostat Control Module for EN50 [02] | X-095.17.305 |
| EN50 Base unit (without Rheostat Control Module) [03] | X-095.17.300 |

| | |
|---|---------------------|
| Plug-in 90° Angled Adaptor (for EN50/mPack without instrument support) [04] | C-000.33.509 |
| Instrument support for Headband | C-000.33.511 |

HEINE® mPack mini

Power source for LoupeLight 2/MicroLight 2 and SIGMA 250



- EXCLUSIVELY AT HEINE**
- Stepless light intensity control
 - Compact and lightweight
 - Simple cleaning

NEW!



[01]



[02]



[03]

[04]

- **Freedom from cables** that tie the user to desk, wall or static power supplies.
- **Operating time LoupeLight 2/MicroLight 2:** Typ. 9 hours in everyday practical use. In continuous operation at full power typ. 4 hours.
- **Operating time SIGMA 250:** Typ. 11 hours in continuous operation at maximum power.
- **Charging time typ. 4 hours.**
- **Charge status indicator.** Display of remaining battery power with three LEDs. The flashing of the last LED indicates that immediate charging is required. During charging the LEDs light up one after the other.
- **Stepless light intensity control.** Optimum brightness setting between 100% and 3% reduces reflexes.
- **USB cord** with E4-USB Medical approved plug-in power supply.
- **The integrated galvanic separation module** protects the battery and the user against the consequences of defective power supplies, thus preventing the possibility of the full mains voltage flowing directly to the housing. We recommend the use of a medical approved plug-in power supply.
- **Simple cleaning.** Closed housing, no seams at the sides, few edges.
- **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed.
- **NEW: 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 [01] | X-000.99.006 |
| USB cord [02] with E4-USB plug-in transformer [03] | X-000.99.303 |
| E4-USB Medical approved plug-in power supply for USB cord [03] | X-000.99.305 |

HEINE® EN200 Diagnostic Centre

Modern, energy efficient wall system



EXCLUSIVELY AT HEINE

- Excellent energy efficiency
- Optimal cleaning
- Expandable via USB interface

- **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 cleaning.** 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 EN200 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 HEINE EN200 BP Automatic Digital Sphygmomanometer.
- **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.

HEINE EN200 Diagnostic Centre Set

with GAMMA XXL LF-WB Analogue Sphygmomanometer



| EN200 Diagnostic Centre with GAMMA XXL LF-WB | |
|--|---------------------|
| GAMMA XXL LF-WB Analogue Sphygmomanometer | |
| Cuff Basket | |
| EN200 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® EN200 Diagnostic Centre Kits



[01]

| EN 200 Kits * | 3.5V |
|---|----------------------------|
| with EN200 Wall Transformer, BETA400 LED F.O. Otoscope, BETA200 LED Ophthalmoscope [01] | LED A-095.12.218 |
| with EN200 Wall Transformer, BETA400 F.O. Otoscope, BETA200 Ophthalmoscope | XHL A-095.12.214 |
| with EN200 Wall Transformer, BETA200 LED F.O. Otoscope, BETA200 LED Ophthalmoscope | LED A-095.12.219 |
| with EN200 Wall Transformer, BETA200 F.O. Otoscope, BETA200 Ophthalmoscope | XHL A-095.12.215 |
| with EN200 Wall Transformer, K180 F.O. Otoscope, K180 Ophthalmoscope | XHL A-095.12.220 |

* without additional accessories

HEINE® EN200 Diagnostic Centre – individual



Put together your individual Diagnostic Centre: The EN200 Wall Transformer and additional components such as the AllSpec Tip Dispenser and the EN200 BP Automatic Digital 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.

| | |
|---|--------------|
| EN200 Wall Transformer* [01] | X-095.12.250 |
| AllSpec Tip Dispenser, for EN200 [02] | B-000.11.149 |
| EN200 BP Automatic Digital Sphygmomanometer [03] | M-000.09.201 |
| GAMMA XXL LF-W Analogue Sphygmomanometer [04] | M-000.09.323 |
| NEW: GAMMA XXL LF-WB Analogue Sphygmomanometer (without cuff-holder) [05] | M-000.09.327 |
| Cuff Basket for storing blood pressure cuffs [06] | M-000.09.140 |
| Wallboard for simple wall mounting made of satined acrylic glass 50x75x0.8cm, 3.8kg, with pre-drilled holes, mounting material included for device combination EN200BP/Cuff Basket/EN200/Tip Dispenser [07] | X-095.12.005 |
| Wallboard as above for device combination EN200/Tip Dispenser [08] | X-095.12.006 |
| Wallboard as above for device combination GAMMA XXL LF-W/EN200/Tip Dispenser [09] | X-095.12.007 |
| Wallboard as above for device combination GAMMA XXL LF-WB/Cuff Basket/EN200/Tip Dispenser [10] | X-095.12.008 |

* without instruments





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

Colour Temperature:

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

Bulb Life:

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

Safety:

Advanced design and manufacturing procedures prevent dangerous bulb implosions.

Optical Performance:

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

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

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

HEINE XHL® Xenon Halogen Bulbs

For optimum performance and cost-effectiveness

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



| GENERAL MEDICINE AND ENT INSTRUMENTS | | |
|--------------------------------------|--------------|--------------|
| Otoscopies | 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 |
| BETA200 Otoscope | X-001.88.077 | X-002.88.078 |
| BETA400 Otoscope | X-001.88.077 | X-002.88.078 |
| K 100 Otoscope | X-001.88.037 | X-002.88.049 |
| K 180 Otoscope | X-001.88.077 | X-002.88.078 |
| mini 2000* F.O. Otoscope | X-001.88.037 | |
| mini 2000* Otoscope | X-001.88.056 | |
| mini 3000 F.O. Otoscope | X-001.88.105 | |
| mini 3000 Otoscope | X-001.88.110 | |
| minilux* Otoscope | X-001.88.056 | |
| 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 |
| mini3000 Tongue blade holder | X-001.88.037 | |

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs



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



| HNO Instruments | 2.5V | 3.5V |
|----------------------------|--------------|--------------|
| mini* Tongue blade holder | X-001.88.037 | |
| Tongue blade holder (BETA) | X-001.88.037 | X-002.88.049 |

| Cliplights and Combi Lamps | 2.5V | 3.5V |
|--|--------------|------|
| HEINE Cliplight* | X-001.88.094 | |
| mini2000* Clip Lamp, mini1000* Clip Lamp | X-001.88.041 | |
| mini2000* Combi Lamp | X-001.88.041 | |
| mini3000 Clip Lamp | X-001.88.107 | |
| mini3000 Laryngeal Mirror* | X-001.88.057 | |
| mini3000 Combi Lamp | X-001.88.107 | |
| mini* Fibrilux | X-001.88.041 | |
| mini-c Clip Lamp | X-001.88.108 | |

OPHTHALMIC INSTRUMENTS

| Direct Ophthalmoscopes | 2.5V | 3.5V |
|---------------------------|--------------|--------------|
| alpha* Ophthalmoscope | X-001.88.042 | |
| alpha+* Ophthalmoscope | X-001.88.042 | X-002.88.101 |
| AUTOFOC* | X-001.88.032 | X-002.88.047 |
| BETA200 M2 Ophthalmoscope | X-001.88.069 | X-002.88.070 |
| BETA200 Ophthalmoscope | X-001.88.069 | X-002.88.070 |
| BETA200S Ophthalmoscope | X-001.88.069 | X-002.88.070 |
| K 180 Ophthalmoscope | X-001.88.084 | X-002.88.086 |
| mini2000* Ophthalmoscope | X-001.88.042 | |
| mini3000 Ophthalmoscope | X-001.88.106 | |
| mini Miroflex* | X-001.88.042 | |
| Miroflex* Ophthalmoscope | X-001.88.038 | X-002.88.046 |

* instrument no longer available



HEINE XHL® Xenon Halogen Bulbs

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



| Retinoscopes | 2.5V | 3.5V |
|--|--------------|--------------|
| alpha+* Spot Retinoscope | X-001.88.088 | X-002.88.090 |
| alpha+* Streak Retinoscope | X-001.88.087 | X-002.88.089 |
| BETA200 Spot Retinoscope | X-001.88.088 | X-002.88.090 |
| BETA200 Streak Retinoscope | X-001.88.087 | X-002.88.089 |
| HFR 2* Spot Retinoscope | X-001.88.038 | X-002.88.046 |
| HSR 2* Retinoscope | X-001.88.058 | X-002.88.048 |
| Other hand-held ophthalmic instruments | 2.5V | 3.5V |
| alpha* Focalux | X-001.88.042 | |
| alpha* Ophthalmic Examination Light | X-001.88.043 | X-002.88.102 |
| alpha+* Finoff | X-001.88.035 | X-002.88.044 |
| alpha+* Focalux | X-001.88.042 | X-002.88.101 |
| alpha+* HSL 150 Hand-held Slit Lamp | X-001.88.098 | X-002.88.099 |
| alpha+* Ophthalmic Examination Light | X-001.88.043 | X-002.88.102 |
| Focalux* | X-001.88.039 | X-002.88.091 |
| Glaucotest* | X-001.88.035 | X-002.88.044 |
| HSL 100* Hand-held Slit Lamp | X-001.88.098 | X-002.88.099 |
| HSL 150 Hand-held Slit Lamp | X-001.88.098 | X-002.88.099 |
| LAMBDA 100 Retinometer | X-001.88.077 | X-002.88.078 |
| mini2000* Focalux | X-001.88.042 | |
| mini3000 Focalux | X-001.88.042 | |
| Ophthalmic Examination Lamp | X-001.88.032 | X-002.88.047 |
| Finoff Transilluminator | X-001.88.077 | X-002.88.078 |

* instrument no longer available

HEINE XHL® Xenon Halogen Bulbs



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



| Indirect Ophthalmoscopes | 3.5V | 6V |
|--------------------------------------|--------------|--------------|
| Indirect Hand-held Ophthalmoscope | X-002.88.050 | X-004.88.081 |
| OMEGA 100* | | X-004.88.068 |
| OMEGA 150* | | X-004.88.068 |
| OMEGA 180* | | X-004.88.068 |
| OMEGA 200 | | X-004.88.068 |
| OMEGA 500 5W (standard equipment) | | X-004.88.111 |
| Video OMEGA 2C Ophthalmoscope | | X-004.88.068 |
| SIGMA 100* | | X-004.88.076 |
| SIGMA 150K* Headworn Ophthalmoscope | | X-004.88.093 |
| SIGMA 150* | | X-004.88.093 |
| SIGMA 150M2* 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 |
| mini2000* Dermatoscope | X-001.88.034 | |
| mini3000 Dermatoscope | X-001.88.109 | |
| Illuminated loupes | 2.5V | 3.5V |
| alpha+* Illuminated Loupe 5x, 8x | X-001.88.034 | X-002.88.053 |
| Illuminated Loupe 5x, 8x (BETA) | X-001.88.038 | X-002.88.046 |

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



PROCTOLOGICAL INSTRUMENTS

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

EXAMINATION LIGHTS



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

* instrument no longer available

HEINE Projector Bulbs



PROJECTORS

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

* projector no longer available



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.

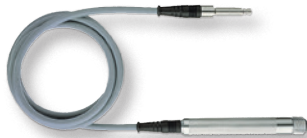
∴ Continuous brightness control

∴ +40% Boost switch

| F.O. Projector HK 7000 | |
|---|--------------|
| 150W XHL Halogen spare bulb and fuse included | Y-096.15.121 |
| Spare fuse | Y-096.15.110 |
| XHL Halogen spare bulb 150W | Y-096.15.102 |
| Wall support for HK7000 | Y-096.15.105 |

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

For use with HEINE Fiber Optic Instruments



Fiber optic cable with handle for use with HEINE Fiber Optic Instruments and F.O. Projectors, for example the Instrument Head for disposable UniSpec tubes and the reusable F.O. Anoscope/Proctoscope Illumination Head, F.O. Anoscopes, Proctoscopes and Sigmoidoscopes. Length incl. handle: 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 | Y-003.99.518 |
|----------------------------|--------------|

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

**How to
bring
STRUCTURE
to your
LIFE.**



HEINE Cases

| | |
|---|--|
|  | Soft pouch for otoscopes (60 mm x 230 mm x 40 mm) [01] A-180.01.000 |
| [01] | |
|  | Zipper pouch for otoscopes (110 mm x 200 mm x 30 mm) [02] B-237.00.000 |
| [02] | |
|  | Case for Binocular Loupe Sets A/C [03] C-000.32.552 |
| [03] | |
|  | Hard case for Ophthalmic Diagnostic Sets C-034 and C-076 (185 mm x 116 mm x 50 mm) [04] C-034.00.000 |
| [04] | |
|  | Hard case for Indirect Ophthalmoscope Sets C-162, C-276, C-278, C-283, C-284 (470 mm x 400 mm x 190 mm) [05] C-079.00.000 |
| [05] | |
|  | Combi-case for Indirect Ophthalmoscope Sets C-162, C-276, C-278, C-283, C-284 (432 mm x 330 mm x 197 mm) [06] C-079.03.000 |
| [06] | |
|  | Hard case for Ophthalmic Diagnostic Sets C-261 and C-144 (185 mm x 116 mm x 50 mm) [07] C-144.06.000 |
| [07] | |

HEINE Cases



[08]

Hard case for Ophthalmic Diagnostic Sets C-262 and C-145
(235 mm x 135 mm x 50 mm) [08]

C-145.00.000



[09]

Case for Indirect Ophthalmoscope Set C-281 [09]

C-160.00.000



[10]

Hard case for LAMBDA 100 Retinometer Set
(235 mm x 135 mm x 50 mm) [10]

C-187.06.000



[11]

Soft pouch for mini (95 mm x 185 mm x 35 mm) [11]

D-861.00.000



[12]

Zipper case for mini3000 Dermatoscope [12]

D-887.00.000



[13]

Zipper case for laryngoscopes (170 mm x 280 mm x 50 mm) [13]

F-179.00.000



[14]

Case for FlexTip+ F.O. Laryngoscope Sets F-227, F-229 or F-230 [14]

F-227.01.000

| Page | Index | Page | Index |
|---------|---|---------|--|
| | A | | H |
| 088/142 | Adaptors for NT4 Table Charger | | Hand-held Slit Lamps |
| | B | 064 | - HSL 150 |
| 141–143 | Batteries | 064 | Hand-held Slit Lamp Accessories |
| 141–143 | - Li-ion Rechargeable Battery | 064 | - HSL 10x Loupe Attachment |
| 143 | - NiMH Rechargeable Battery | | Handles |
| 120–127 | Binocular Loupes | 140 | - BETA Battery Handle |
| 126 | - C 2.3 / C 2.3 K | 141 | - BETA 4 NT Rechargeable Handle |
| 122/123 | - HR | 141 | - BETA 4 USB Rechargeable Handle |
| 124/125 | - HRP | 142 | - BETA 4 SLIM NT Rechargeable Handle |
| 128–130 | Binocular Loupe Accessories | 143 | - BETA L Rechargeable Handle |
| 128 | - Spectacle frame S-FRAME | 143 | - BETA NT Rechargeable Handle |
| 128 | - Headband | 140 | - BETA SLIM Battery Handle |
| 129/130 | - LoupeLight 2 | 143 | - BETA SLIM Rechargeable Handle |
| 154–158 | Bulbs, XHL Xenon Halogen Technology | 144 | - Large Battery Handle |
| | C | 086 | - EasyClean LED Laryngoscope Handle SHORT |
| 162/163 | Cases | 086 | - EasyClean LED Laryngoscope Handle SLIM |
| | Chargers | 086 | - EasyClean LED Laryngoscope Handle Standard |
| 145 | - miniNT | 087 | - F.O. 4 SHORT XHL/LED NT Laryngoscope Handle |
| 142 | - NT4 and Adaptor | 087 | - F.O. 4 SLIM XHL/LED NT Laryngoscope Handle |
| 143 | - NT300 and Adaptor | 088 | - F.O. Angled Laryngoscope Handle |
| 037–039 | Clip Lamps | 088 | - F.O. SP Laryngoscope Handle |
| 037 | - mini-c | 087 | - Standard F.O. 4 XHL/LED NT Laryngoscope Handle |
| 038 | - mini3000 Clip Lamp | 085 | - XP Disposable Laryngoscope Handle Shell |
| 039 | - mini3000 Combi Lamp | 144 | - mini3000 Battery Handle |
| | D | 145 | - mini3000 Rechargeable Handle |
| 092–096 | Dermatoscopes | 131–138 | Headlights |
| 093 | - DELTA 20 T | 134–137 | - ML4 LED HeadLight |
| 094 | - iC1 | 134/135 | - ML4 LED HeadLight UNPLUGGED |
| 095 | - NC2 | 138 | - MD 1000 F.O. |
| 096 | - mini3000 | 132 | - MicroLight 2 |
| 096 | - mini3000 LED | | L |
| 097–098 | Dermatoscope Accessories | | Lamps |
| 097 | - Adaptor Cord for DELTA 20 T | 037 | - mini-c Clip Lamp |
| 098 | - Contact plate for mini3000/mini3000 LED | 038 | - mini3000 Combi Lamp |
| 097 | - Contact plate for DELTA 20 T | 080–090 | Laryngoscopes |
| 097/098 | - Dermatoscopy Oil | | Laryngoscopes Classic+ F.O. |
| 097 | - Mounting case smartphone iC1 | 081 | - Macintosh F.O. |
| 098 | - Mounting case smartphone NC2 | 082 | - Miller F.O. |
| 097 | - SLR Photoadaptor for DELTA 20 T | 082 | - Paed F.O. |
| 151–153 | Diagnostic Centre EN200 | 089 | - Sets |
| | E | 082 | - WIS F.O. |
| 086 | EasyClean LED Laryngoscope Handles | | Laryngoscopes FlexTip+ F.O. |
| 116–117 | Examination Lights | 083 | - FlexTip+ F.O. |
| 116 | - EL10 LED | 090 | - Sets |
| 117 | - EL3 LED | | Laryngoscopes XP, Disposable |
| | F | 084 | - Emergency Set |
| 160 | Fiber Optic Cable for HEINE Projectors | 084 | - Macintosh |
| 066 | Finoff Transilluminator | 084 | - Miller |
| 078 | Fundus Charts | | M |
| 067 | Funduscope iC2 | 145 | miniNT table charger |
| | | 148 | mPack |
| | | 150 | mPack mini |
| | | 147 | mPack UNPLUGGED |

| Page | Index | Page | Index |
|---------|---|----------|---|
| | O | | |
| 066 | Ophthalmic Examination Lamps | 108–114 | Proctology |
| 077/078 | Ophthalmoscope Accessories | 108–111 | - Anoscopes |
| 078 | - Ophthalmoscopy Lens A.R. | 108 | - Instrument Head for UniSpec Tubes |
| 077 | - Trainer, Model Eye | 109 | - Proctoscope / Anoscope Illumination Head |
| 078 | - Combi-Case | 111 | - Proctoscope F.O. |
| 050–060 | Ophthalmoscopes, Direct | 112 | - Sigmoidoscope |
| 052 | - BETA 200 / 200 M2 | 114 | - Sigmoidoscope/Proctoscope kit RE 7000 |
| 052 | - BETA 200 LED | 114 | - Sigmoidoscope/Proctoscope kit BETA 4 USB |
| 051 | - BETA 200 S | 109 | - Tubes with straight direction of view |
| 051 | - BETA 200 S LED | 109 | - Tubes with 90° direction of view |
| 056 | - K 180 | 108 | - UniSpec Disposable Tubes |
| 059 | - mini 3000 | 113 | Proctology Accessories |
| 057 | - mini 3000 LED | 113 | - Insufflation Bulb |
| 068–076 | Ophthalmoscopes, Indirect | 113 | - Sponge Holder |
| 076 | - BINOCULAR, Hand-held | | |
| 076 | - MONOCULAR, Hand-held | R | |
| 069 | - OMEGA 500, binocular, Head-worn | 141–143 | Rechargeable Batteries |
| 072 | - OMEGA 500 UNPLUGGED | 141–143 | - Li-ion Rechargeable Battery |
| 073 | - OMEGA 500 with DV 1 | 143 | - NiMH Rechargeable Battery |
| 074 | - SIGMA 250, Spectacle-worn | 065 | Retinometer LAMBDA 100 |
| | Otosopes | 061–063 | Retinoscopes |
| 030 | - BETA 100 | 062 | - BETA 200 |
| 022 | - BETA 200 F.O. | 061 | - BETA 200 LED |
| 022 | - BETA 200 LED F.O. | 077 | - Trainer, Model Eye |
| 020 | - BETA 400 F.O. | | |
| 019 | - BETA 400 LED F.O. | 128 | S-FRAME |
| 045 | - BETA 100 VET (Veterinary) | 078 | Scleral-Depressor |
| 044 | - BETA 200 LED VET F.O. (Veterinary) | 041 | Slit Illumination Head G 100 / G 100 LED (Veterinary) |
| 044 | - BETA 200 VET F.O. (Veterinary) | | Specula |
| 032 | - K 100 | 035/048 | - Disposable Ear Specula UniSpec |
| 024 | - K 180 F.O. | 028/048 | - Disposable Tips AllSpec |
| 027 | - mini 3000 F.O. | 046 | - Long Closed Specula, Metal (Veterinary) |
| 025 | - mini 3000 F.O. LED | 045/047 | - Reusable Specula SANALON S VET (Veterinary) |
| 033 | - mini 3000 | 035 | - Reusable Specula SANALON S |
| 043 | Otoscope, Operating | 029 | - Reusable Tips SANALON S |
| | Otoscope Accessories | 047 | - Short Closed Specula (Veterinary) |
| 029 | - Insufflation Bulb for BETA 200, BETA 400, K 180 | 046 | - Slit Metal Specula |
| 035 | - Insufflation Bulb for BETA 100, K 100 | 029 | - Soft Disposable Tips |
| 048 | - Insufflation Bulb for BETA 100 VET, 200 VET | 046 | - Spreadable Speculum for Slit Illumination Head (Veterinary) |
| 029 | - Insufflation Bulb for mini 3000 F.O. | 103/105 | Sphygmomanometer Accessories |
| 028/029 | - Tips / Specula | 103 | - Cuffs for GAMMA G latex-free |
| 035 | - Tips / Specula | 105 | - Cuffs for EN 200 BP |
| | P | 100–102 | Sphygmomanometers GAMMA latex-free |
| 140–153 | Power Sources | 101 | - GAMMA G5 |
| 140–143 | - BETA Handles | 100 | - GAMMA G7 |
| 148 | - mPack | 101 | - GAMMA GP |
| 150 | - mPack mini | 102 | - GAMMA XXL LF |
| 147 | - mPack UNPLUGGED | 104 | Sphygmomanometer Digital EN 200 BP |
| 144 | - mini 3000 battery handle | 106 | Stethoscopes GAMMA latex-free |
| 145 | - mini 3000 rechargeable handle | | |
| 145 | - mini NT table charger | T | |
| 142 | - NT 4 table charger | 035 | Tip-Adaptor (for AllSpec) |
| 143 | - NT 300 table charger | 036 | Tongue-Blade Holder |
| 146 | - Transformers | | Transformers |
| 160 | Projectors F.O. | 149 | - EN 50 Wall / Table Transformer |
| 160 | - HK 7000 | 147 | - EN 50 UNPLUGGED Wall Transformer |
| 160 | Projector Accessories | 151–153 | - EN 200 Wall Transformer |
| 160 | - Fiber Optic Cable | 146 | - HC 50 L Headband Rheostat |
| 160 | - Wheeled Stand | 146 | - Plug-in transformer for ML 4 LED HeadLight/OMEGA 500 |
| | | V | |
| | | 041 | Veterinary, Slit Illumination Head |

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