

**HEINE** QUALITY  
MADE IN GERMANY

➤ **HEINE mini 3000®**

Pocket Diagnostic Instruments –  
Now Available with LED Illumination

**LED NOW**

LED NOW IN HEINE QUALITY.



HEINE I mini3000®



Maximum Quality  
Minimum Size

Functionality, performance  
and reliability leave nothing  
to be desired.

The HEINE mini3000 series is the successful combination of the high quality features of full-size HEINE instruments and the convenience of pocket sized design.



#### HANDY AND ERGONOMIC

Compact and ergonomic design guarantees a comfortable operation for the most reliable diagnosis in any examining situation.



#### A QUALITY PRODUCT WITH A MODERN DESIGN

Special plastics provide maximum strength and durability in a lightweight and modern design. Maximum quality with minimal dimensions.



#### QUALITY OPTICS AND ILLUMINATION

The interaction between high quality optics and illumination is crucial in an instrument's performance and reliability. The optics should produce distortion-free and brilliant images of the whole area under examination. The illumination system must also render the structures and colours accurately and naturally. The mini3000 instrument line provides the perfect balance of HEINE optical quality and illumination accuracy.



# A compact series of instruments without equal: **HEINE**

## HEINE XHL-TECHNOLOGY

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### XHL

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#### RELIABLE, ACCURATE, FAMILIAR: OUR XHL-TECHNOLOGY

HEINE XHL Xenon-Halogen Technology has set the standard for the evaluation of new light technologies because it offers the perfect colour rendering that health professionals have depended on for decades.

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### CRI 98

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#### COLOUR RENDERING

CRI measures exactly how an illumination system renders colours in comparison with daylight. Our XHL Xenon-Halogen bulbs are designed in such a way that their Colour Rendering Index is more than 98 on a scale of 0 to 100, guaranteeing colour rendering that is optimal for the diagnosis.



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#### HOMOGENEITY

Every HEINE instrument features a specially designed XHL Xenon-Halogen bulb. The glass bulb envelope and precise filament position of HEINE XHL Xenon-Halogen bulbs ensure completely homogeneous light. The light fall-off to the edge is so low that it cannot be perceived by the human eye.

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### LONG LIFE

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#### DURABILITY

HEINE XHL Xenon-Halogen bulbs last up to 50% longer than conventional Xenon-Halogen bulbs for optimum performance, reliability, and cost-effectiveness.

# mini 3000® – Now Available with Two Illumination Options.

## HEINE LED: SETTING A NEW STANDARD

CRI  
95

### COLOUR RENDERING

The new HEINE mini3000 instruments with LED illumination produce a colour rendering value of more than 95 and an individual value for red colours of more than 90, ensuring red is red, blue is blue. Colour temperature: 4,000 Kelvin.



### LIGHT INTENSITY

To be able to discern even the slightest abnormalities, it is necessary to properly illuminate the object being examined. It's not a question of utilizing the brightest LED available, but utilizing the right LED and combining it with the optical system of the instrument to achieve the optimum brightness for the examination. This is guaranteed with all of our LED instruments.



### HOMOGENEITY

The integrated light modules and apertures provide an absolutely homogeneous illuminated light spot. The light fall-off to the edge is so low that it cannot be perceived by the human eye.



### THERMAL MANAGEMENT

We utilize heat-diffusing materials and an optimally proportioned instrument interior to conduct heat away from the LED. This guarantees consistent quality and performance throughout the LEDs' lifetime.

LONG  
LIFE

### DURABILITY

For HEINE half an eternity is not enough. That's why our LEDs for mini3000 instruments have a virtually unlimited working life of up to 50,000 hours.



### EFFICIENCY

LEDs require less power than XHL Xenon-Halogen bulbs, which leads to an ON-time of up to 10 hours. As a result the batteries need to be changed or recharged much less often.



### PERFORMANCE INDICATOR

When the instrument is turned on, it illuminates at the maximum light intensity, then the light intensity is reduced to the level that corresponds to the current charge status of the battery. This provides a useful visual indication to the battery state of your instrument.



### FADE-OUT

With conventional LED instruments the illumination output gives no indication when the battery state is low. The mini3000 instruments' LED illumination system slowly reduces the brightness in accordance with the charge remaining in your batteries. This exclusive system ensures you know when to change or recharge your batteries – before an examination is interrupted.



LED NOW IN HEINE QUALITY.



**mini 3000 F.O. OTOSCOPE [01]**

- Viewing window with 3x magnification produces distortion-free images of the examined object.
- Permanently attached swivelling viewing window allows for instrument use, and cannot be misplaced or lost.
- Distal Fiber Optic (F.O.) illumination ensures an unobstructed view of the tympanum and ear canal.
- Pneumatic testing of tympanic mobility through insufflation port.

**mini 3000 OPHTHALMOSCOPE [02]**

- Dustproof construction.
- A wide range of apertures and filters.
- Quality HEINE optics for high resolution views of the retina.
- Brightness can be reduced by using the fixation star with grey filter.

**mini 3000 DERMATOSCOPE [03]**

- Solid metal construction of the instrument head. Durable and long lasting.
- High quality, achromatic optical system with 10x magnification.
- Choice of two different standard contact plates and a special small contact plate for the examination of difficult to access lesions.
- Each mini3000 Dermatoscope includes a comprehensive HEINE dermoscopy compendium with explanations and photos.

**mini 3000 LED F.O. OTOSCOPE [04]**

LED HQ

- Twice as bright as a conventional XHL Xenon-Halogen instrument.
- Excellent colour rendering, even for red colours.

**mini 3000 LED OPHTHALMOSCOPE [05]**

LED HQ

- Optimum brightness for ophthalmic examinations.
- Excellent colour rendering, even for red colours.

**mini 3000 LED DERMATOSCOPE [06]**

LED HQ

- Twice as bright as a conventional XHL Xenon-Halogen instrument.
- True and natural colour rendering: Red is red, blue is blue.



[04]



[05]



[06]

mini3000 OTOSCOPE [07]

- : Viewing window with 3x magnification produces distortion-free images of the examined object.
- : Permanently attached swivelling viewing window allows for instrument use, and cannot be misplaced or lost.
- : Bright and homogeneous illumination with excellent colour rendering.

mini3000 CLIP LAMP /  
mini-c CLIP LAMP [08]

- : Compact instruments for all purpose illumination.
- : Available in two sizes: compact AA battery size and very compact AAA battery format.
- : Optimal, bright illumination for the pupillary reflex test.
- : Optional Audiology Ear Light: For the adjustment of a hearing aid, the clip lamp can be equipped with an ear light.

mini3000 COMBI LAMP [09]

- : Compact, all-purpose pocket light and tongue depressor holder all in one.
- : Optimal, bright illumination for the pupillary reflex test.
- : Can be used with standard wooden tongue depressors and HEINE disposable blades.



**mini3000  
TONGUE-BLADE HOLDER [10]**

- : Tongue depressor holder with blade ejector for HEINE Disposable Tongue-Blades.
- : Optimal illumination of the oral cavity and the pharynx.
- : Finger-tip pressure releases the blade. No need to touch the blade after use.
- : Solid metal construction. Durable and tough.

**mini3000  
LARYNGEAL MIRROR [11]**

- : High quality laryngeal mirror for optimal illumination of the oral cavity and the pharynx.
- : Solid metal construction. Durable and tough.

**mini3000 FOCALUX [12]**

- : Pocket illuminator can be used for the examination of the anterior chamber and for indirect ophthalmoscopy.
- : Light spot can be focused on the patient's pupil. Perfect illumination of the fundus even with non-dilated pupils.
- : +3D-lens attachment aids accommodation and magnifies the image of the fundus.

**mini3000 BATTERY HANDLE [13]**

- : High quality handle: Unique chrome-finished upper section. Shockproof, sturdy, non-slip.
- : Ergonomic elegant form fits well in the hand.
- : Threaded connection system is made of metal to prevent wear.
- : Automatic OFF switch turns the instrument off when the handle is clipped on coat or pocket.
- : ON/OFF switch tested to withstand 20,000 on-off cycles.
- : Can be upgraded to rechargeable battery system at any time.

**mini NT CHARGER [14]**

- : Innovative, compact design is space saving and provides stable storage of the instruments.
- : Two independent charging wells allow two mini handles to be charged at the same time.
- : Quick recharge in 4 hours.
- : Automatic shut off when battery is fully charged guarantees batteries will not be damaged by overcharging.
- : Charge status display. Light pulses from the charging collars when handles are being charged. When fully charged, the collars stay illuminated.
- : mini3000 alkaline battery systems can be easily updated to the 2.5V rechargeable system. Optional adaptor set for previous generation mini2000 instruments is also available.







## GUARANTEE

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HEINE makes no compromises in manufacturing high quality medical instruments. Our commitment to vertical integration in manufacturing means we control all aspects of our instrument quality, from utilising carefully selected, well-matched materials to a high level of hand assembly. This ensures that each HEINE instrument meets or exceeds all requirements in any medical environment.

Given that our mini3000 series are often in permanent use, we've tested them with 20,000 on- and off cycles. Therefore we can offer a **five year guarantee for them** without hesitation.



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**mini3000 F.O. Otoscope  
with Battery Handle**

mini3000 F.O. Otoscope  
5 of both disposable tips 4 mm  
and 2.5 mm  
mini3000 Battery Handle

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**LED-Illumination: D-008.70.110**

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**XHL-Illumination: D-001.70.110**



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**mini3000 Ophthalmoscope  
with Battery Handle**

mini3000 Ophthalmoscope  
mini3000 Battery Handle

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**LED-Illumination: D-008.71.120**

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**XHL-Illumination: D-001.71.120**



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**mini3000 LED F.O. Otoscope and  
mini3000 LED Ophthalmoscope  
with Battery Handle in a case**

mini3000 LED F.O. Otoscope  
mini3000 LED Ophthalmoscope  
2x mini3000 Battery Handle  
5 of both disposable tips 4 mm  
and 2.5 mm  
Reusable tips  
Hard case

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**LED-Illumination: D-886.11.021**



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**mini3000 LED Dermatoscope  
incl. contact plate without scale  
with Battery Handle  
in a zipper case**

mini3000 LED Dermatoscope  
Contact plate without scale  
Dermatoscopy oil  
mini3000 Battery Handle  
Zipper case

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**LED-Illumination: D-887.78.021**

## HEINE mini3000® A WORLDWIDE SUCCESS IN SERIES

With the launch of the mini2000 series in 1970, HEINE was the first to offer a complete range of compact diagnostic instruments with full size instrument performance.

HEINE Quality is what generations of doctors have relied on. For us, innovation means to listen to our users attentively and develop products that improve their every-day work.

Every HEINE product is a world leader in terms of precision, ergonomic design and durability, and meets the most relevant international standards (ISO/CE). In close and continued coordination with physicians and universities the HEINE research department is constantly creating new product developments.

HEINE was founded in 1946 and is an independent, family-owned company which leads the international market with its complete range of diagnostic instruments. Over 500 employees worldwide continue to contribute to this success.



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