

HEINE LAMBDA 100® Retinometer

For assessing potential visual acuity



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

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

Three simple steps to potential acuity assessment with LAMBDA 100

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



[01]

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

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



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



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





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



HEINE LAMBDA 100® Retinometer Sets



Set complete with: **LAMBDA 100 Retinometer** acuity scale 0.06 to 0.8 (scale 1)
patient card
spare bulb
hard case

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

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

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

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

HEINE Focalux®

Focusing pocket lamp for BETA handles



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

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

Focalux	2.5V	3.5V
with lens attachment, without handle	C-001.14.102	C-002.14.102
XHL Xenon Halogen spare bulb	X-001.88.039	X-002.88.091
Swivel lens attachment + 3 D only		C-000.14.109

HEINE mini 3000 Focalux®

Focusing pocket lamp



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

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

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



*To upgrade to a rechargeable instrument with mini NT charger, please see page 148.

Ophthalmic Examination Lamp

For examination of the anterior segment and cornea in focal light



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

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

XHL Xenon Halogen spare bulb	X-001.88.032	X-002.88.047
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Aperture combination



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

HEINE Finoff Transilluminator

For scleral transillumination



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

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

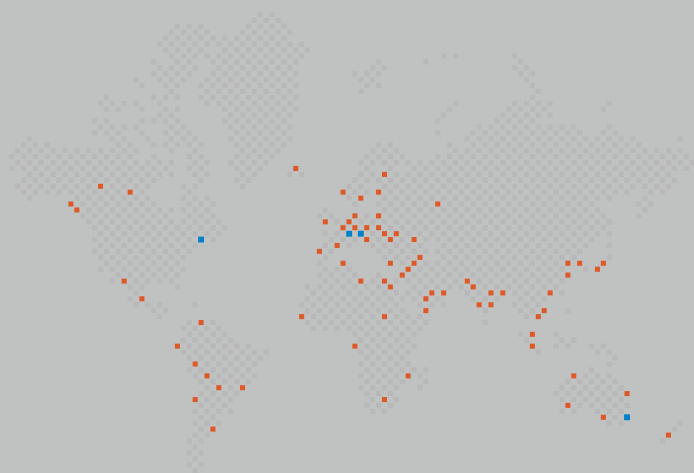
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
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Cobalt blue filter for 3.5V Finoff	C-000.17.081	
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A company makes history and gives a name to outstanding product quality: HEINE.

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

www.heine.com



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