



HEINE LAMBDA 100® Retinometer

For assessing potential visual acuity

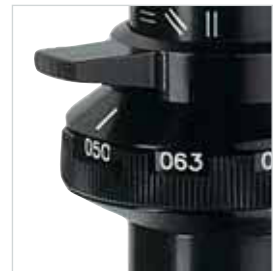


The LAMBDA 100 Retinometer is the first compact instrument for assessing potential visual acuity of patients with cataracts and other opacities.
LAMBDA 100 – clinically tested with excellent results.

- ∴ **Simple, easy-to-use controls.** Reliable diagnosis, easy to operate.
- ∴ **Compact, lightweight (100 g).** Can 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.



LAMBDA 100 Retinometer	2.5V	3.5V
LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2)	C-001.35.015	C-002.35.015
LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1)	C-001.35.010	C-002.35.010
XHL Xenon Halogen spare bulb	X-001.88.077	X-002.88.078
Patient card		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 C-187 complete with **LAMBDA 100 Retinometer**, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case with:

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-187.10.118		
BETA R rechargeable handle		C-187.20.376	C-187.27.376
BETA TR rechargeable handle and 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 C-189 complete with **LAMBDA 100 Retinometer**, acuity scale 20/300 to 20/25 (scale 2), patient card and spare bulb in hard case with:

LAMBDA 100 Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-189.10.118		
BETA R rechargeable handle		C-189.20.376	C-189.27.376
BETA TR rechargeable handle and 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®



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 focussed on the patient's pupil.** Perfect illumination of the fundus even with non-dilated pupils.
- ∴ **Intense illumination.** Bright fundus image.
- ∴ **+ 3D lens attachment.** Aids accommodation and magnifies image.

Focalux	2.5V	3.5V
Focalux with lens attachment	C-001.14.102	C-002.14.102
XHL Xenon Halogen spare bulb	X-001.88.039	X-002.88.091
Swivel lens attachment + 3D only		C-000.14.109

HEINE mini 3000F ocalux®



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.
- ∴ **+ 3D lens attachment.** Aids accommodation and magnifies image.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Replaceable batteries.** Size AA.

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



[01]



[02]



[03]

- ∴ **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 a rechargeable handle. Fully-automatic charging with the mini NT charger.
Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.

mini NT charger set for mini 3000	2.5V
mini NT charger [01], 2 NiMH rechargeable batteries [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485



[04]



[05]

mini NT adaptor set for mini 2000	2.5V
2 bottom inserts for mini 2000 [04], 2 adaptors [05]	X-001.99.491

* For more information on the mini NT charger system see page 121.

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
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Ophthalmic Examination Lamp	C-001.14.400	C-002.14.400
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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
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Finoff for scleral transillumination, complete	C-001.17.080	C-002.17.080
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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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