

: HEINE Hand-held Ophthalmic Instruments



• HEINE HSL 150[®] Hand-held Slit Lamp Uncompromisingly compact.



ORDER NO. [HEAD ONLY]: 3.5V [C-002.14.602]

2.5V [C-001.14.602]

[HEINE HSL150[®] HAND-HELD SLIT LAMP]

The ideal portable addition to a static full-size slit lamp.

HSL 150 features bright, white XHL Xenon Halogen illumination comparable in intensity with the best static slit lamps for examination of the anterior segment. The compact, ergonomic design provides instant loupe alignment of the slit image for comfortable operation.

HSL 150 provides a 10mm x 0,2mm up to 14mm x 4mm slit image for direct focal illumination with an optical section.

The ideal alternative for examinations where a static slit lamp is not available or practical to use. This hand-held slit lamp is invaluable for screening, in accident and emergency rooms, and for bed-ridden patients or small children.

Typical applications include:

- Corneal examination for foreign bodies or ocular trauma.
- Corneal examination with fluorescein using the precision interference cobalt blue filter (FITC).
- General examination of the anterior segment, iris and crystalline.

- : Magnified view with 20-Diopter loupe.
- Instant selection of interference cobalt blue filter (FITC) for corneal examination.
- Instant selection of loupe position for optimal alignment with slit.
- Advanced multi-coated optics maximize light transmission and reduce reflexes.
- Full metal construction assures perfect optical alignment and will provide a lifetime of reliable performance.
- HEINE 2.5V or 3.5V XHL[®] Xenon Halogen Technology provides a bright, white light for true full-size slit lamp brightness.
- : Continuously adjustable brightness control.
- Compact design for complete portability and ease of use.
- **100% dustproof construction,** for a lifetime of maintenance-free performance.
- The HSL150 instrument head weighs only 70 g, the lightest portable Slit lamp available.
- : 6x magnification.

HEINE HSL150° Hand-held Slit Lamp with HEINE BETA SLIM° handle

- Primary diagnosis of patients with eye infections.
- : Examination of elderly and bed-ridden patients.
- : Contact lens work.
- : Industrial medicine.

[HEINE HSL10x[®] LOUPE ATTACHMENT]

Loupe attachment with 10x magnification for HSL150.

With precision magnification optics for crisp, clear images.

- : 10x magnification when combined with HSL150 Loupe.
- : Increased working distance from examiner to patient.
- : Large field of view.
- With an additional detachable TP-elastomer Eyepiece to steady the instrument on the brow and avoid stray light. Can be replaced with a soft TP-elastomer cap, suitable for spectacle-wearers.



HEINE HSL10x® Loupe Attachment

ORDER NO. [LOUPE ATTACHMENT]: [C-000.14.606]

: HEINE LAMBDA 100[®] Retinometer

Unique design.



[HEINE LAMBDA 100® RETINOMETER]

The first compact instrument for assessing potential visual acuity of patients with cataracts and other opacities. LAMBDA100 – clinically tested with excellent results.

- Simple, easy-to-use controls. Reliable diagnosis, easy to operate.
- The instrument fits onto battery- or rechargeable handles.
 Complete mobility – no dependence on the slit lamp.
- Compact, lightweight (100 g). Can be used anywhere – even bedside.
 HEINE XHL[®] Xenon Halogen
- Technology and brightness control. Avoids patient discomfort from dazzle. Includes explanatory card for patien
- Includes explanatory card for patient instruction.

ORDER NO. [HEAD ONLY] : 3.5V [C-002.35.015]*

2.5V	I	[C-001.35.015]*
3.5V	l	[C-002.35.010]**
2.5V	I	[C-001.35.010]**

* with acuity scale 20/300 to 20/25 (scale 2) ** with acuity scale 0.06 to 0.8 (decimal scale 1)



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









- Three simple steps to potential acuity assessment with LAMBDA 100.
- [01] Switch on instrument, select acuity, select grating angle, reduce ambient lighting.
- [02] 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.
- [03] Select progressively-finer grating patterns with different angles until the patient can no longer recognize the angle. The value of the last recognizeable angle indicates potential acuity.







: HEINE BETA 200S[®] Ophthalmoscope Perfection in detail.



[HEINE BETA 200 S® OPHTHALMOSCOPE]

Superior aspherical optics.

The BETA 200 S is the first hand-held direct ophthalmoscope with a combination of patented aspherical optics¹⁾ and single-step diopter selection from -36 D to +38 D for precise lens selection and a crisp, focused fundus image in all diagnostic situations.

HEINE's aspherical optical system uses the Gullstrand principle to separate the illumination and observation beams. Corneal and iris reflexes are avoided and a complete section of the retina is visible even with a small pupil.

7 apertures for diagnostic flexibility in both large and small pupils.

1) U.S. Pat. 4.963.014

- Aspherical optics avoid corneal and iris reflex.
- 74 single-diopter steps (from -36 to +38 dpt) for perfect focus even with high refractive error.
- : The optics are mounted on a metal frame to ensure a lifetime of optical precision.
- 7 different apertures for retinal examination with both large and small pupils.
- Separate interference red-free filter for improved contrast when viewing retinal blood-vessels.
- A powerful HEINE XHL[®] Xenon Halogen bulb for full illumination with bright, white light.
- Dustproof and maintenance-free for the life of the instrument.
- The ergonomic rounded shape fits the orbita comfortably. Ergonomic, one-handed operation.
- : The multi-coated, recessed eyepiece avoids stray light during the examination.
- The soft brow rest steadies the instrument and protects the examiners glasses.



HEINE BETA 200 S[®] Ophthalmoscope with HEINE BETA[®] handle



[05]

Once past the anterior chamber, the light beam opens up dramatically

to illuminate a large area of the retina.

|| ORDER NO. [HEAD ONLY] : 3.5 V | [C-002.30.120]

2.5V | [C-001.30.120]

• HEINE BETA 200[®] Retinoscope A new benchmark.



[HEINE BETA 200® RETINOSCOPE]

|| ORDER NO. [HEAD ONLY]: 3.5 V | [C-002.15.353]*



- [01] Polarisation fitter, eliminates internal reflexes and stray light.[02] Semi-reflector mirror: Simultaneous
- illumination and observation. Reflected light from the retina enters the examiner's eye.
- [03] Condensor lens adjustable by a single control sleeve: Produces a divergent, convergent or parallel beam of light.
 [04] A special retinoscope bulb rotates for
- [04] A special reinfoscope build rotates in diagnosis of the cylinder axis.
 [05] ParaStop simplifies and speeds up
- [05] ParaStop simplifies and speeds up the precise detection of cylinder axis.



믭	for BETA or BETA SLIM handles	2.5V	3.5 V
	HSL150, without handle	C-001.14.602	C-002.14.602
	XHL Xenon Halogen spare bulb	X-001.88.098	X-002.88.099
	Replacement filter attachment for HSL150		C-000.14.605
	HSL 10x Loupe Attachment for HSL150		C-000.14.606
	Set complete with HSL150 and BETA SLIM handle		
	(slim, compact), with:	2.5V	3.5 V
	BETA SLIM battery handle, in soft pouch, without spare bulb	C-252.10.105	
	same, with HSL10x Loupe Attachment, spare bulb, in hard case	C-268.10.105	
	BETA SLIM rechargeable handle and NT 300 charger, spare bulb, in hard case		C-266.20.470
	same, with HSL10x Loupe Attachment, in hard case		C-268.20.470
	Set complete with HSL150, BETA handle		
	(standard size) and spare bulb in hard case, with:	2.5V	3.5 V
	BETA battery handle	C-265.10.118	
	same, with HSL10x Loupe Attachment	C-267.10.118	
	BETA R rechargeable handle	0-207.10.110	C-265.20.376
	same, with Lithium-Ion battery		C-265.27.376
	BETA R rechargeable handle with HSL10x Loupe Attachment		C-267.20.376
	same, with Lithium-Ion battery		C-267.27.376
	BETA TR rechargeable handle and transformer		C-265.20.384
	same, with Lithium-Ion battery		C-265.27.384 ³
	BETA TR rechargeable handle and transformer with HSL10x Loupe Attachment		C-267.20.384
	same, with Lithium-Ion battery		C-267.27.384
	BETA NT rechargeable handle (NiMH) and NT 300 charger		C-265.20.420
	same, with [®] BETA L rechargeable handle with Lithium-Ion battery		C-265.29.420
	BETA NT rechargeable handle (NiMH) and NT300 charger with HSL10x Loupe Attachment		C-267.20.420
	same, with I BETA L rechargeable handle with Lithium-Ion battery		C-267.29.420*
			*Price on request
		2.5V	
	LAMBDA 100 Retinometer	2.0 V	3.5 V
		C-001.35.015	
	LAMBDA 100 Retinometer LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle	· · · · · · · · · · · · · · · · · · ·	3.5 V C-002.35.015 C-002.35.010
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle	C-001.35.015	C-002.35.015
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle	C-001.35.015 C-001.35.010	C-002.35.015 C-002.35.010
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination)	C-001.35.015 C-001.35.010	C-002.35.015 C-002.35.010 X-002.88.078
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8	C-001.35.015 C-001.35.010 X-001.88.077	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with:	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle	C-001.35.015 C-001.35.010 X-001.88.077	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5∨ C-187.20.376
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery BETA TR rechargeable handle and transformer	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.20.376 C-187.20.384
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery BETA TR rechargeable handle and transformer same, with Lithium-Ion battery	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376 C-187.20.384 C-187.27.384
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery BETA TR rechargeable handle and transformer same, with Lithium-Ion battery BETA NT rechargeable handle (NiMH) and NT 300 charger	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376 C-187.20.384 C-187.27.384 C-187.20.420
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery BETA TR rechargeable handle and transformer same, with Lithium-Ion battery	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376 C-187.20.384 C-187.27.384
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-Ion battery BETA TR rechargeable handle and transformer same, with Lithium-Ion battery BETA NT rechargeable handle (NiMH) and NT 300 charger same, with @ BETA L rechargeable handle with Lithium-Ion battery Set complete with LAMBDA 100 Retinometer, acuity scale 20/300 to 20/25	C-001.35.015 C-001.35.010 X-001.88.077 2.5∨ C-187.10.118	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376 C-187.20.384 C-187.27.384 C-187.20.420 C-187.29.420
	LAMBDA 100 Retinometer head with acuity scale 20/300 to 20/25 (scale 2), without handle LAMBDA 100 Retinometer head with acuity scale 0.06 to 0.8 (decimal scale 1), without handle XHL Xenon Halogen spare bulb Patient card (for patient instruction prior to examination) Set complete with LAMBDA 100 Retinometer, acuity scale 0.06 to 0.8 (decimal scale 1), patient card and spare bulb in hard case, with: BETA battery handle BETA R rechargeable handle same, with Lithium-lon battery BETA TR rechargeable handle and transformer same, with Lithium-lon battery BETA NT rechargeable handle (NiMH) and NT 300 charger same, with @ BETA L rechargeable handle with Lithium-lon battery	C-001.35.015 C-001.35.010 X-001.88.077 2.5√	C-002.35.015 C-002.35.010 X-002.88.078 C-000.35.005 3.5 ∨ C-187.20.376 C-187.27.376 C-187.20.384 C-187.27.384 C-187.20.420

BEIA battery handle	C-189.10.118	
BETA R rechargeable handle		C-189.20.376
same, with Lithium-Ion battery		C-189.27.376
BETA TR rechargeable handle and transformer		C-189.20.384
same, with Lithium-Ion battery		C-189.27.384
BETA NT rechargeable handle (NiMH) and NT 300 charger		C-189.20.420
same, with 🖲 BETA L rechargeable handle with Lithium-Ion battery		C-189.29.420

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

BETA 200 S Ophthalmoscope	2.5V	3.5 V
BETA 200S Ophthalmoscope, without handle	C-001.30.120	C-002.30.120
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070
Set complete with BETA 200 S Ophthalmoscope, 1 spare bulb in hard case, with:	2.5V	3.5 V
BETA battery handle	C-261.10.118	
BETA R rechargeable handle		C-261.20.376
same, with Lithium-Ion battery		C-261.27.376
BETA TR rechargeable handle and transformer		C-261.20.384
same, with Lithium-Ion battery		C-261.27.384
BETA NT rechargeable handle (NiMH) and NT 300 charger		C-261.20.420
same, with 🕒 BETA L rechargeable handle with Lithium-Ion battery		C-261.29.420

BETA 200 Streak-Retinoscope	2.5V	3.5V
BETA 200 Streak Retinoscope with XHL Xenon Halogen bulb, detachable brow rest,		
without handle	C-001.15.353	C-002.15.353
XHL Xenon Halogen spare bulb for Streak Retinoscope	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
Bulb holder		C-000.15.355
Bulb-cover		C-000.15.356
Detachable brow rest for spectacle-wearers		C-000.15.357
Orange filter for light-sensitive patients		C-000.15.359
Fixation cards with holder for dynamic retinoscopy		C-000.15.360

Set complete with BETA 200 Streak Retinoscope,

1 spare bulb in hard case, detachable brow rest, with:	2.5V	3.5 V
BETA battery handle	C-034.10.118*	
BETA R rechargeable handle		C-034.20.376
same, with Lithium-Ion battery		C-034.27.376
BETA TR rechargeable handle and transformer		C-034.20.384
same, with Lithium-Ion battery		C-034.27.384
BETA NT rechargeable handle (NiMH) and NT 300 charger		C-034.20.420
same, with () BETA L rechargeable handle with Lithium-Ion battery		C-034.29.420

* 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,

detachable brow rest, 1 spare bulb in hard case, with:	2.5V	3.5 V
BETA battery handle	C-262.10.118	
BETA R rechargeable handle		C-262.20.376
same, with Lithium-Ion battery		C-262.27.376
BETA TR rechargeable handle and transformer		C-262.20.384
same, with Lithium-Ion battery		C-262.27.384
BETA NT rechargeable handle (NiMH) and NT 300 charger		C-262.20.420
same, with 🕒 BETA L rechargeable handle with Lithium-Ion battery		C-262.29.420

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







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.

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We reserve the right to change specification without notice.

Your distributor

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