



Patented¹⁾ “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 patented 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.

¹⁾US Pat. 4.963.014

HEINE Direct Ophthalmoscopes



	BETA 200 S	BETA 200	BETA 200 M2	K 180 Opt. 1	K 180 Opt. 2	mini3000
Optical System						
Aspherical	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<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"/>
Corrective lenses						
Range	- 36 to +38	- 35 to +40	- 35 to +40	- 35 to +40	- 35 to +40	- 20 to +20
Number of Lenses	74	28	28	28	28	18
1 D Steps	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dust protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metal chassis	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compact	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rechargeable battery 2,5V	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>
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HEINE BETA 200 S® Ophthalmoscope

Superior aspherical optics and 74 single-diopter steps



- ∴ Eliminates corneal reflex
- ∴ Ideal for small pupils
- ∴ 74 single diopter steps
- ∴ Dustproof

- ∴ **Unique optical system.** HEINE optimizes the Gullstrand principle with aspherical optics (separation of illumination and observation beam). Corneal and iris reflexes are eliminated. A full view is guaranteed even with small pupils.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light.
- ∴ **Recessed, multi-coated viewing window.** Avoids stray light.
- ∴ **Dustproof housing.** Maintenance-free.
- ∴ **Optics mounted on precision metal chassis.** Durable, precise.
- ∴ **Ergonomic shape.** Instrument fits the orbita comfortably in any position.
- ∴ **Soft orbital support.** Protects the users' glasses and steadies the instrument.
- ∴ **7 apertures with separate red-free filter.** Suitable for large or small pupils. Incorporates slit aperture, fixation star, cobalt blue filter and red-free filter for improved contrast.
- ∴ **Lens range:** Perfect focus even with high refractive errors.

74 single diopter steps
 + in 1 D steps: +1 through +38 D
 - in 1 D steps: -1 through -36 D

BETA 200 S Ophthalmoscope	2.5V	3.5V
BETA 200 S Ophthalmoscope	C-001.30.120	C-002.30.120
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070

BETA 200 S apertures:



Cobalt blue filter, fixation star with polar co-ordinates, large spot, small spot, pinhole, slit, hemispot



With red-free filter:
 Cobalt blue filter, fixation star with polar coordinates, large spot, small spot, pinhole, slit, hemispot



HEINE BETA 200® Ophthalmoscope

The ophthalmoscope with superior aspherical optics



The ophthalmoscope with unique aspherical optics and all the features of the BETA200S, except for the macula aperture/pinhole and the following lens range:

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

BETA200 Ophthalmoscope	2.5V	3.5V
BETA200 Ophthalmoscope	C-001.30.100	C-002.30.100
BETA200 M2 Ophthalmoscope like BETA200, except with fixation star aperture without polar co-ordinates and with pinhole instead of small spot	C-001.30.102	C-002.30.102
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070

- Eliminates corneal reflex
- Ideal for small pupils
- Dustproof

BETA 200 apertures



Slit, fixation star with polar co-ordinates, cobalt blue filter, large spot, small spot, hemispherical spot



With red-free filter

BETA 200 M2 apertures



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



With red-free filter

HEINE BETA 200®/200S® Ophthalmological Diagnostic Sets



Set complete with **BETA200S Ophthalmoscope**, 1 spare bulb in hard case with:

BETA200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-261.10.118		
BETA R rechargeable handle		C-261.20.376	C-261.27.376
BETA TR rechargeable handle and transformer		C-261.20.384	C-261.27.384
BETA NT rechargeable handle and NT300 charger		C-261.20.420	
BETA L rechargeable handle and NT 300 charger			C-261.29.420



Set complete with **BETA200 Ophthalmoscope**, 1 spare bulb in hard case with:

BETA200S Ophthalmoscope Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-144.10.118*		
BETA R rechargeable handle		C-144.20.376	C-144.27.376
BETA TR rechargeable handle and transformer		C-144.20.384	C-144.27.384
BETA NT rechargeable handle and NT300 charger		C-144.20.420	
BETA L rechargeable handle and NT 300 charger			C-144.29.420

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

HEINE BETA 200®/200 S® Ophthalmological Diagnostic Sets



Set complete with **BETA 200 S Ophthalmoscope**, **BETA 200 Streak Retinoscope**, 1 spare bulb in hard case with:

BETA 200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-262.10.118		
BETA R rechargeable handle		C-262.20.376	C-262.27.376
BETA TR rechargeable handle and transformer		C-262.20.384	C-262.27.384
BETA NT rechargeable handle and NT 300 charger		C-262.20.420	
BETA L rechargeable handle and NT 300 charger			C-262.29.420



Set complete with **BETA 200 Ophthalmoscope**, **BETA 200 Streak Retinoscope**, 1 spare bulb in hard case with:

BETA 200 Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	C-145.10.118*		
BETA R rechargeable handle		C-145.20.376	C-145.27.376
BETA TR rechargeable handle and transformer		C-145.20.384	C-145.27.384
BETA NT rechargeable handle and NT 300 charger		C-145.20.420	
BETA L rechargeable handle and NT 300 charger			C-145.29.420

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

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



HEINE DiagnosticS ets

Set complete: **BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope**,
1 set of reusable tips, 10 disposable tips and one spare bulb each
in hard case with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-132.10.118		
BETA R rechargeable handle		A-132.20.376	A-132.27.376
BETA TR rechargeable handle and transformer		A-132.20.384	A-132.27.384
BETA NT rechargeable handle and NT 300 charger		A-132.20.420	
BETA L rechargeable handle and NT 300 charger			A-132.29.420

As A-132 above, but with multi-purpose illuminator with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-134.10.118		
BETA R rechargeable handle		A-134.20.376	A-134.27.376
BETA TR rechargeable handle and transformer		A-134.20.384	A-134.27.384
BETA NT rechargeable handle and NT 300 charger		A-134.20.420	
BETA L rechargeable handle and NT 300 charger			A-134.29.420

Set complete: **BETA 200 Ophthalmoscope, BETA 100 Diagnostic Otoscope**,
1 set of reusable specula, 10 disposable specula and one spare bulb each in hard case with:



Diagnostic Sets	2.5V	3.5V (NiMH)	3.5V
BETA battery handle	A-234.10.118		
BETA R rechargeable handle		A-234.20.376	A-234.27.376
BETA TR rechargeable handle and transformer		A-234.20.384	A-234.27.384
BETA NT rechargeable handle and NT 300 charger		A-234.20.420	
BETA L rechargeable handle and NT 300 charger			A-234.29.420

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

HEINE K 180® Ophthalmoscope

The standard direct ophthalmoscope



∴ Reduces corneal reflex

∴ Dust-resistant

A full featured instrument at an economical price.

- ∴ **Precision HEINE optics.** Brilliant retinal image.
- ∴ **XHL Xenon Halogen Technology.** Bright, white light. Clear retinal image.
- ∴ **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.**
- ∴ **28 lenses from - 35 D to + 40 D.** 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

K 180 Ophthalmoscope	2,5V	3,5V
K 180 Ophthalmoscope with aperture wheel 1	C-001.30.206	C-002.30.206
K 180 Ophthalmoscope with aperture wheel 2 with cobalt blue filter	C-001.30.207	C-002.30.207
XHL Xenon Halogen spare bulb	X-001.88.084	X-002.88.086

K 180 apertures



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



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

HEINE K 180® Diagnostic Sets

Set complete with **K 180 Ophthalmoscope**, in standard version with aperture wheel 1 in soft pouch with:



K 180 Ophthalmological Sets	2,5V	3,5V (NiMH)	3,5V
BETA battery handle	C-182.10.118		
BETA R rechargeable handle		C-182.20.376	C-182.27.376
BETA TR rechargeable handle and transformer		C-182.20.384	C-182.27.384
BETA NT rechargeable handle and NT 300 charger		C-182.20.420	
BETA L rechargeable handle and NT 300 charger			C-182.29.420

Set complete: **K 180 Ophthalmoscope**, in standard version with aperture wheel 1, **K 180 Oscope** and 1 set of reusable tips in hard case with:



K 180 Diagnostic Sets	2,5V	3,5V (NiMH)	3,5V
BETA battery handle	A-279.10.118		
BETA R rechargeable handle		A-279.20.376	A-279.27.376
BETA TR rechargeable handle and transformer		A-279.20.384	A-279.27.384
BETA NT rechargeable handle and NT 300 charger		A-279.20.420	
BETA L rechargeable handle and NT 300 charger			A-279.29.420



HEINE mini 3000® Ophthalmoscope

Pocket Ophthalmoscope



Top quality ophthalmoscope with fixation star aperture in pocket format. Quality optics in mini-format. Ideal for rounds and house calls. Can only be used with the mini 3000 handle system.

- ∴ **Attachment clip with integrated on/off switch.** Secure. Switches off automatically when replaced in 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.** Concentrated white light for perfect illumination and a brilliant image.
- ∴ **5 different apertures.** A full-function instrument incl. fixation star.
- ∴ **2-piece handle and head.** Easy to maintain, flexible.
- ∴ **Replaceable batteries.** Size AA.
- ∴ **Range of lenses: - 20 D to + 20 D.**

+	1	2	3	4	6	8	10	15	20 D
-	1	2	3	4	6	8	10	15	20 D

- ∴ Modern pocket instrument
- ∴ Dust-resistant
- ∴ Switches off automatically
- ∴ Optional rechargeable handle

mini 3000 Ophthalmoscope	2.5V
with mini 3000 Battery Handle	D-001.71.120
mini 3000 Ophthalmoscope without handle	D-001.71.105
XHL Xenon Halogen spare bulb	X-001.88.106



[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 mini2000 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.

mini 3000 apertures



Large spot, small spot, fixation star, hemispot, red-free filter



HEINE mini 3000® 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 mini 3000® Diagnostic Sets



Set D-852 complete with **mini 3000 Ophthalmoscope** in hard case with:

	2.5V
mini 3000 battery handle with batteries	D-852.10.021



Set D-873 complete with **mini 3000 Ophthalmoscope, mini 3000 F.O. Ophthalmoscope**, 1set = 4 reusable tips, 5 each of 2.5 and 4 mm dia. AllSpec disposable tips, in hard case:

	2.5V
with 2 mini 3000 battery handles with batteries	D-873.11.021
as D-873 but with mini 3000 Ophthalmoscope	D-873.21.021

NEW!



[01]



[02]



[03]

mini NT charger* set for mini 3000	2,5V
mini NT charger [01], 2 rechargeable batteries NiMH 2Z [02], 2 bottom inserts for mini 3000 rechargeable handle [03]	X-001.99.485

Rechargeable battery NiMH 2Z [02]	X-001.99.487
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[04]



[05]

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

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

Please note: To convert mini 2000 handles to rechargeable, please order X-001.99.485 and X-001.99.491 together.



All handles are fitted with batteries (IEC LR 6 AA size). Please order spare bulbs separately. The mini 3000 instruments in these sets can be supplied in black or blue. Please specify the colour you prefer when ordering. If not otherwise specified, we will supply black instruments.