

## HEINE BETA® 200 S LED Ophthalmoscope

### Superior aspherical optics now with LED<sup>HQ</sup> illumination



- EXCLUSIVELY AT HEINE**
- Aspherical optical system
  - LED in HQ with continuous brightness control
  - Aluminium frame system

#### BETA 200 S with 7 apertures



Cobalt blue filter, fixation star with polar coordinates, large spot, small spot, pinhole, slit, hemispot



With red-free filter

Exclusive dustproof design protects the precision optical components and ensures maintenance-free operation. The BETA 200/200 S Ophthalmoscopes are the only instruments with an aluminium frame system. Optical components are flush-mounted on a cast aluminium frame, eliminating misalignment and making the instrument shock-resistant. The BETA 200 S LED has virtually unlimited hours of working life (up to 100,000 hours). No need to ever replace bulbs. Maintenance-free for a lifetime.

- **Exclusive aspherical optical system (AOS)** for more information see the bottom of page 034.
- **LED in HQ:** The new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for the most accurate diagnosis. Red is red, blue is blue. Colour temperature: 3,500K, Colour Rendering Index (CRI) >97, special index for red colours (R9) >93 on a maximum scale of 100.
- Special optical interface to precisely integrate the LED illumination with the optical system to ensure bright, homogeneous light during examinations.
- **The BETA 200 S Ophthalmoscope** accommodates higher refractive errors with a **28 single lenses Rekoss Disc** and features a 74 single step design on a non-continuous wheel avoiding extreme diopter jumps.
  - + in 1 D steps: +1 through +38 D
  - in 1 D steps: -1 through -36 D
- **Exclusive continuous brightness control** between 100 % and 3 % (patent pending) with one-finger operation.
- **No stray light due to the recessed, multi-coated viewing window** – eliminates distractions.
- **Precise one-hand control of the instrument.** Ergonomic design offers flexibility while examining.
- **Suitable for large as well as small or undilated pupils.**
- **Ergonomic design** fits the orbita comfortably, and blocks out ambient light.
- **Full functionality of the BETA 200 S LED is guaranteed with BETA Rechargeable Handels and the EN 100 Wall Transformer.**

BETA 200 S LED Ophthalmoscope	LED
without handle	C-008.30.120

## HEINE BETA® 200 S Ophthalmoscope

### Superior aspherical optics with XHL illumination



BETA 200 S Ophthalmoscope with XHL Xenon Halogen illumination instead of LED illumination. Other technical specifications the same as the BETA 200 S LED Ophthalmoscope.

- **XHL Xenon Halogen bulb** with bright illumination and authentic colour rendering.

BETA 200 S Ophthalmoscope	2.5V XHL	3.5V XHL
without handle	C-001.30.120	C-002.30.120
XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070



## HEINE BETA® 200 LED Ophthalmoscope

### Superior aspherical optics now with LED<sup>HQ</sup> illumination



The ophthalmoscope with unique aspherical optics and all features of the BETA200S LED, but:

- ∴ Without macula aperture (pinhole)
- ∴ The BETA200 Ophthalmoscope accommodates higher refractive errors with a 27 single lenses Rekoss Disc.

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

BETA200 LED Ophthalmoscope	LED
without handle	C-008.30.100

Full functionality of the BETA200 LED is guaranteed with BETA Rechargeable Handels and the EN100 Wall Transformer.

- EXCLUSIVELY AT HEINE**
- Aspherical optical system
  - LED in HQ with continuous brightness control
  - Aluminium frame system

#### BETA200 with 6 apertures



Slit, fixation star with polar coordinates, cobalt blue filter, large spot, small spot, hemislot



With red-free filter

## HEINE BETA® 200 Ophthalmoscope

### Superior aspherical optics with XHL illumination



The ophthalmoscope with unique aspherical optics and all features of the BETA200 LED, but:

- ∴ XHL Xenon Halogen bulb with bright illumination and authentic colour rendering.

BETA200 Ophthalmoscope	2.5V XHL	3.5V XHL
without handle	C-001.30.100	C-002.30.100

XHL Xenon Halogen spare bulb	X-001.88.069	X-002.88.070
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BETA200 M2 Ophthalmoscope	2.5V XHL	3.5V XHL
BETA200 M2 Ophthalmoscope, without handle. Like BETA200, except with pinhole instead of small spot and with fixation star aperture without polar coordinates.	C-001.30.102	C-002.30.102

#### BETA200 M2 apertures



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



With red-free filter



## HEINE BETA® 200/200S Ophthalmic Diagnostic Sets

**NEW!** Now also available  
with LED<sup>HO</sup> illumination



Set complete with: **BETA 200 S Ophthalmoscope in XHL or LED**  
1 spare bulb for XHL version, hard case

BETA 200 S Ophthalmoscope Sets	2.5V XHL	3.5V XHL	LED
BETA battery handle	<b>C-261.10.118</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-261.27.388</b>	<b>C-261.28.388</b>
▶ BETA 4 USB rechargeable handle		<b>C-261.27.387</b>	<b>C-261.28.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>C-261.23.420</b>	<b>C-261.24.420</b>



Set complete with: **BETA 200 Ophthalmoscope in XHL or LED**  
1 spare bulb for XHL version, hard case

BETA 200 Ophthalmoscope Sets	2.5V XHL	3.5V XHL	LED
BETA battery handle	<b>C-144.10.118*</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-144.27.388</b>	<b>C-144.28.388</b>
▶ BETA 4 USB rechargeable handle		<b>C-144.27.387</b>	<b>C-144.28.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>C-144.23.420</b>	<b>C-144.24.420</b>

\* 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 in XHL or LED,**  
**BETA 200 Streak Retinoscope**  
1 spare bulb for each instrument for XHL version, hard case

BETA 200 S Ophthalmoscope Sets	2.5V XHL	3.5V XHL	3.5V XHL/LED*
BETA battery handle	<b>C-262.10.118</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-262.27.388</b>	<b>C-262.25.388</b>
▶ BETA 4 USB rechargeable handle		<b>C-262.27.387</b>	<b>C-262.25.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>C-262.23.420</b>	<b>C-262.25.420</b>

\* BETA 200 Streak Retinoscope with XHL illumination and BETA 200 S LED Ophthalmoscope with LED illumination.



Set complete with: **BETA 200 Ophthalmoscope in XHL or LED,**  
**BETA 200 Streak Retinoscope**  
1 spare bulb for each instrument for XHL version, hard case

BETA 200 Ophthalmoscope Sets	2.5V XHL	3.5V XHL	3.5V XHL/LED*
BETA battery handle	<b>C-145.10.118</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>C-145.27.388</b>	<b>C-145.25.388</b>
▶ BETA 4 USB rechargeable handle		<b>C-145.27.387</b>	<b>C-145.25.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>C-145.23.420</b>	<b>C-145.25.420</b>

\* BETA 200 Streak Retinoscope with XHL illumination and BETA 200 LED Ophthalmoscope with LED illumination.

▶ **New BETA 4 Handle range – for more information see pages 120 – 122.**



HEINE Diagnostic Sets

**NEW!** Now also available with LED<sup>HO</sup> illumination



Set complete: **BETA 200 Ophthalmoscope, BETA 200 F.O. Otoscope both with XHL or LED,**  
 1 set of reusable tips (B-000.11.111)  
 5 of both AllSpec disposable tips 2.5 and 4 mm dia.  
 one spare bulb each for XHL version  
 hard case

Diagnostic Sets	2.5V XHL	3.5V XHL	LED
BETA battery handle	<b>A-132.10.118</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-132.27.388</b>	<b>A-132.28.388</b>
▶ BETA 4 USB rechargeable handle		<b>A-132.27.387</b>	<b>A-132.28.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>A-132.23.420</b>	<b>A-132.24.420</b>



Set complete: **BETA 200 Ophthalmoscope in XHL or LED, BETA 100 Diagnostic Otoscope**  
 1 set of reusable specula (B-000.11.221)  
 10 UniSpec disposable tips 4 mm dia. (B-000.11.237)  
 one spare bulb each for XHL version  
 hard case

Diagnostic Sets	2.5V XHL	3.5V XHL	3,5V XHL/LED*
BETA battery handle	<b>A-234.10.118</b>		
▶ BETA 4 USB rechargeable handle with USB cord and plug-in power supply		<b>A-234.27.388</b>	<b>A-234.25.388</b>
▶ BETA 4 USB rechargeable handle		<b>A-234.27.387</b>	<b>A-234.25.387</b>
▶ BETA 4 NT rechargeable handle with NT 4 table charger		<b>A-234.23.420</b>	<b>A-234.25.420</b>

\*BETA 100 Otoscope with XHL illumination and BETA 200 LED Ophthalmoscope with LED illumination.

▶ **New BETA 4 Handle range – for more information see pages 120 – 122.**