

HEINE BETA X OTOSCOPIES

- 31640 HEINE BETA X OTOSCOPE 3x - B-130.28.330
- 31641 HEINE BETA X OTOSCOPE 4.2x - B-131.28.330

The HEINE BETA X Otoscope is intended for the transient examination of the ear, the external auditory canal and tympanum. First otoscope with an additional integrated examination light inSPECT and exchangeable optical modules X CHANGE. Durable, lightweight and ergonomic design. High resolution and precise representation and sophisticated illumination with LED^{HQ}

HEINE inSPECT integrated examination light

It provides optimised illumination for non-contact and non-invasive examination of eyes, nose, mouth and throat. Easily switch from otoscope to examination light at the touch of a button.

HEINE X CHANGE system with interchangeable modules

HEINE X CHANGE System enables to expand the function of BETA X Otoscope with easily interchangeable modules:

- HEINE X CHANGE System 3x Magnifier
- HEINE X CHANGE System 4.2x Magnifier
- HEINE X CHANGE System Smartphone Adapter (optional)

HEINE LED^{HQ} and fiber optic technology for optimal illumination

- homogeneous, very bright illumination with true colour rendering for high contrast and extremely detailed views
- fiber optic technology provides an unobstructed view of the ear canal and tympanum
- extended battery operating time and a virtually unlimited operating life of the LED^{HQ}

Supplied with HEINE X CHANGE system 3x or 4.2x magnifier, 10 x AllSpec 4 mm disposable tips, USB power supply, case and multilingual manual GB, FR, IT, ES, PT, DE, NL, SE, DK, NO, FI.

- 31645 HEINE X CS1 SINGLE CHARGING STATION - X-002.99.215
- 31646 HEINE X CS1 DUAL CHARGING STATION - X-002.99.216



31640



Large diameter viewing window

HEINE X CHANGE System

- 3 x Magnifier
 - perfect all-rounder magnification option
 - multi-coated precision optics for crisp images
- 4.2 x Magnifier
 - advanced multi-lens optical system for higher magnification and resolution
 - excellent depth of view with advanced spatial recognition to easily identify even the smallest anatomical structures and foreign bodies
- Smartphone Adapter
 - easily capture digital images with any smartphone

HEINE LED^{HQ} and fiber optic technology for optimal illumination

Integrated insufflation port for tympanic mobility testing



Intuitive illumination control functions

31645



31641

TECHNICAL SPECIFICATIONS			
Illumination:	LED illumination HQ	Operating time:	220 min with 100% brightness
Illuminance (inSPECT):	21.000 lux at 100 mm distance	Charging time:	160 min
Colour temperature:	3.500 K	Input:	5 V DC, 500 mA
Colour rendering index:	CRI>90	Size:	180x39x53 mm
Working distance:	50 to 100 mm	Weight:	112 g (31640), 118 g (31641)
Battery:	Li-ion cell internal battery	Packing size:	221x63x216 mm



31640-1

HEINE BETA X OPHTHALMOSCOPE

- 31643 HEINE BETA X OPHTHALMOSCOPE - C-130.28.330

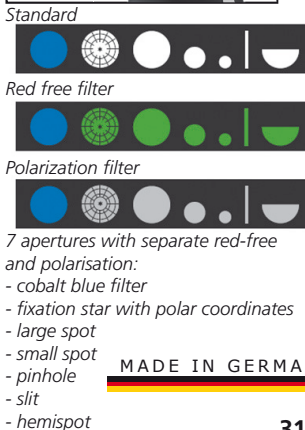
HEINE BETA X ophthalmoscope is the most advanced direct ophthalmoscope with a durable, lightweight and ergonomic design. It features the elaborated AOS⁺ (Aspherical Optical System) optical system and LED^{HQ}. AOS⁺ provides crisp and clear views of the fundus, reducing reflections in the cornea and iris that can interfere with examinations, by separating the illumination and observation paths and incorporating the new crescent-shaped illumination. The LED^{HQ} illumination provides homogeneous, bright exposure with true colour rendering for high contrast and extremely detailed views.

The exclusive HEINE focusCONTROL allows practitioners to simply switch the focus between the anterior segment (cornea) and posterior segment (fundus) of the eye. The polarisation filter can simply be swivelled in or out depending on examination requirements and purpose, 7 different apertures. Microprocessor controlled smart illumination control wheel for large or precise fine tuning of illumination intensity.

The comprehensive functions and improved usability make it a versatile instrument suitable for a wide range of examinations and for all users, including ophthalmologists, optometrists, general practitioners, paediatricians and other healthcare professionals.

Supplied with USB power supply, hard case and multilingual manual GB, FR, IT, ES, PT, DE, NL, DK, NO, FI, SE.

- 31645 HEINE X CS1 SINGLE CHARGING STATION - X-002.99.215
- 31646 HEINE X CS1 DUAL CHARGING STATION - X-002.99.216



7 apertures with separate red-free and polarisation:

- cobalt blue filter
- fixation star with polar coordinates
- large spot
- small spot
- pinhole
- slit
- hemisphere

MADE IN GERMANY

31643

Scratch-resistant window made of tempered glass

Focus adjustment in 74 single dioptric steps from -36D to +38D

Smart illumination control wheel

- for large changes in illumination intensity
- for precise fine tuning of illumination intensity

31645



TECHNICAL SPECIFICATIONS			
Magnification:	15x for emmetropic patient	Pupil size:	min. 2 mm; opt. ≥4 mm
Dioptric:	+38 D to -36 D	Battery:	Li-ion cell (internal battery)
Colour temperature:	3.500 K	Operating time:	240 min with 100% brightness
Color rendering index:	CRI 93	Charging time:	160 min
Dimmability:	continuous between 1 and 100%	Input:	5 V DC, 500 mA
Field of view:	9° with largest aperture	Size - weight:	200x48x31 mm - 150 g
Working distance:	fundus: ≈20 mm, cornea: ≈50 mm	Packaging size:	221x63x216 mm



31643