

HEINE BETA X VET

Ophthalmoscope



Data

Description	HEINE BETA X VET Ophthalmoscope
Catalogue number	G-140.28.330
Document release date	December, 2025

Mechanical

Weight product	150 g
Weight battery	22 g
Weight packing (including product)	775 g
Dimensions product	200 x 48 x 31 mm
Dimensions packing	221 x 63 x 216 mm
Connections	USB-C port
Imprints	front: HEINE logo, BETA X, VET logo, icon: on/off back: HEINE made in Germany icons: different apertures and filters, focusCONTROL F/C side: USB-C, 5V 500mA, production year, CE, serial number, www.heine.com, datamatrix code

Electrical

Power supply	Li-ion Cell (internal battery)
Input	5 V DC, 500 mA
Power consumption	max. 1 W
Operating time	typ. 240 min. with 100% brightness
Charging time	typ. 160 min.
Automatic switch-off function	turns off after 5 min.
Protection class	Charging: II; operating: internally powered

Optical

Type	HEINE LED illumination (HQ)
Magnification	ca. 15x for emmetropic patient
Diopter	+38 D to -36 D
Optical system	AOS+ (Aspherical Optical System)
Colour temperature	typ. 3 500 K
Color rendering index	typ. CRI 93
Field of view	9° with largest aperture
Working distance	fundus: ≈20 mm, cornea: ≈50 mm



Pupil size	min. 2 mm; opt. ≥4 mm
Filters	red-free, polarisation, blue
Apertures	7 luminous field apertures with separate red-free and polarisation filter: cobalt blue filter, fixation star with polar coordinates, large spot, small spot, pinhole, slit, hemispace
Focus switch	HEINE focusCONTROL: switch between anterior (C: cornea) and posterior segment (F: fundus) of the eye
Classification according to IEC 62471	Group 2

General

Material	Anodized aluminium, Plastic, Glass
REACH RoHS conform	Conform
Phthalate	Contains no phthalates, which requires a declaration
Latex	Contains no latex
Environmental conditions operation	+ 10 °C to +35 °C, 10 % to 75 % rel. humidity, 700 hPa to 1060 hPa
Environmental conditions storage	+5 °C to +45 °C, 45 % to 80 % rel. humidity, 500 hPa to 1060 hPa
Environmental conditions transport	-20 °C to +50 °C, 10 % to 90 % rel. humidity, 500 hPa to 1060 hPa
Instructions for use	Deutsch, English, Francais, Español
Operating elements	illumination control wheel, diopter adjustment wheel, aperture wheel, filter switch, focusCONTROL switch
Display	indirect illuminated index of refraction
Accessories	Please see the corresponding accessories online at www.heine.com/BETA-X-VET-Ophthalmoscope-accessories-IFU
Maintenance	device is maintenance-free
Service	The device has no components serviceable by the end-user/ Change of rechargeable battery

Hygienic Reprocessing

Procedure	Please see detailed description for the reprocessing procedure online at www.heine.com
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Codes

Customs code (tariff number)	90185090
GTIN	4053755203543
Traceability	UDI code
Country of origin	Germany

Regulatory

Product classification (EU)	n/a
Product classification (USA)	Class 2, 510(k) exempt
Product classification (Canada)	n/a
UMDNS code	n/a
GMDN code	n/a
Regulation number (FDA)	886.1570



Product code (FDA)	HLJ
Fulfills the requirements of directives / standards	
Standards	ISO 13485, IEC 60601-1, IEC 60601-1-2, IEC 62471, IEC 62133-2, ISO 2248
Directives	Directive (2014/35/EU), Directive (2011/65/EU) ROHS, Directive (2012/19/EU) WEEE
Regulations	Regulation (1907/2006) REACH, Regulation (EU) 2023/1542 Battery, Regulation (EU)2025/40 Packaging

