

## HEINE BETA 200/400 LED F.O. OTOSCOPE

DATA	
Description	HEINE BETA 200/400 LED F.O. Otoscope
Catalogue Number	see catalogue or price list
Version / Date	V01 / 01.09.2015

GENERAL		
Product variants	BETA 200 LED F.O. Otoscope	BETA 400 LED F.O. Otoscope
Weight	87 g / 128 g (incl. packaging)	90 g / 131 g (incl. packaging)
Dimensions product	74 x 35 x 47 mm <sup>3</sup> (height x width x depth)	
Dimensions packaging	108 x 42 x 68 mm <sup>3</sup> (length x height x depth)	
Material	metal, synthetics, glas	
REACH/RoHS	compliant	
Phthalate	product is phthalate free	
Latex	product is latex free	
Biocompatibility	compliant	
Surface	metal, synthetics, glas	
Environmental conditions operation	temperature: +10 °C to +35 °C, relative humidity: 30 % to 75 %, air pressure: 700 hPa to 1060 hPa	
Environmental conditions storage	temperature: +5 °C to +45 °C, relative humidity: 45 % to 80 %, air pressure: 500 hPa to 1060 hPa	
Environmental conditions transport	temperature: -20 °C to +50 °C, relative humidity: 45 % to 80 %, air pressure: 500 hPa to 1060 hPa	
Durability	5 years warranty	
Instructions for use	Deutsch, English, Français, Español, Italiano, Svenska, Nederlands, Português, Dansk, Suomi	
Operating elements	swivelling viewing window	folding viewing window
Protection class	IP40	
Power Supply	HEINE rechargeable handles (3,5 V), HEINE EN100 wall transformer	
Customs Code	90189084	90189084
EAN/GTIN	4053755182565	4053755182558
HIBC	+E229B0081150000019	+E229B0081140000018
Accessories	HEINE AllSpec disposable tips, reusable tips, insufflation bulb	
Patents	n/a	patent pending

MECHANICAL		
Connections	AV for rechargeable handle, bayonet for tip, fitting for insufflation tube	
Imprints	BETA 200 LED	BETA 400 LED
	HEINE made in Germany, symbol (application part BF), CE, data matrix code, SN, www.heine.com	

ELECTRICAL	
Input voltage	3,0-3,7 V DC
Current consumption	max. 350 mA
Operation time	ca. 7 h using fully loaded Li-ion L rechargeable battery (X-007.99.383)
Safety class	internal power supply
Fuse	n/a

OPTICAL		
Type	LED illumination (HQ) 3,5V fixed in the instrument	
Luminous flux* (without / with 5 mm tip)	typ. 15,0 lm / typ. 5,9 lm	
Illuminance* (without / with 5 mm tip)	typ. 200.000 lx / typ. 77.000 lx	
Color temperature	3500 K +/- 500 K	
Color rendering index	typ. CRI ≥ 97	
Lifetime	typ. 100.000 h	
Classification according to IEC 62471	Exempt	
Magnification	3-fold	4,2-fold

CLEANING, DISINFECTION	
Procedure	Wipe cleaning and wipe disinfection with agents recommended in the instructions for use. Please consider the detailed informations in the instructions for use!

\*) at 3,7 V supply voltage