


DATA	
Description	mini 3000 LED F.O. Otoscope
Catalogue Number	D-008.70.106 (color: black/blue)
Stand / Datum	29.08.2012

GENERAL	
Registration	 Device classification according to IEC 60601-1:2005 internally powered (AP/APG no protection / applied part:BF)
Product variants	black and blue
Weight (net)	130 g Instrument head incl. Battery handle + batteries ( 90g Battery handle incl. 2 batteries/ 40g Instrument Head)
Instrument head dimensions	width: 27 mm / height: 59mm / depth: 45mm
Dimensions packaging	n/a
Material	brass body coated with Ultramid synthetics and pearled metal parts, magnifying lens consisting of Polycarbonate, (Handle: chrome-finish upper section, refined plastic)
REACH/RoHS	REACH & RoHS compliant
Phthalate	Contains no Phthalates
Latex	Product is Latex free
Biocompatibility	We hereby confirm that our product meets the requirements of safety and biocompatibility.
Surface	n/a
Environmental conditions operation	Temp.: +10°C to +35°C, relative humidity: 30%-90%, 800hPa to 1060hPa
Environmental conditions storage	Temp.: -20°C to +50°C, relative humidity: 10%-95%, 700hPa to 1060hPa
Environmental conditions transport	Temp.: -40°C to +70°C, relative humidity: 10%-95%, 500hPa to 1060hPa
Durability	5 years warranty
Operating elements	rotatable magnifying lens
Magnification	3,5x
Lens	synthetic material molded in loupe socket
Power Supply	HEINE mini 3000 Battery handle (can be loaded with 2pcs of dry cell batteries or 1pc HEINE NIMH 2Z rech. battery w. HEINE mini NT)
Continuous operation:	Up to 10hours battery powered (fade out starts typically after 6 hours) / 2hours NIMH powered
Accessories:	Sanalon Tips (re-usable), AllSpec Tips (single use), Insufflation bulb
Patents:	n/a

MECHANICAL	
Imprints:	Labeling on instrument head: mini 3000 F.O. LED, HEINE-made in-GERMANY, HEINE triangle, CE sign, BF symbol

CLEANING, STERILIZATION	
	Disinfection by spraying or immersion as well as sterilization is not allowed; for cleaning advices please see user manual.

LIGHT:	
Typ:	LED
Maintenance:	The device does not require any regular maintenance or service.
Voltage:	2,5V
Performance:	n/a
Power absorption:	n/a
Light controlling:	n/a
Luminous intensity:	n/a
Luminous flux:	ca. 9.3 lm / 8500Lux (30mm from device without tip), ca. 1.4lm (at distal end of 4mm tip)
Colour temperature:	4000 +/- 300K
Illuminated field:	n/a
Quality of the illuminated field:	n/a
Focusability:	n/a
Temperature increase:	n/a
medium life expectance:	10.000 h (50.000h of the LED)
Operating times:	n/a
Working distance:	n/a
Colour rendering:	ca. CRI ≥ 95, for red color (R9) ≥ 90
Lightening direction:	n/a