

Stabilized HeNe Laser SL 03 mini Series

Technical Data	SL 03 mini
Wavelength	632.8 nm
Output power	> 0.5 mW (typ. 0.8 mW)
Amplitude noise (30 Hz - 10 MHz)	< 0.4 % (< 0.2 %)
Beam diameter (TEM00)	0.49 mm
Beam divergence (TEM00)	< 2.0 mrad
Beam polarization linearly polarized longitudinal mode	
Warm-up time to achieve stable operation	< 15 min
Relative frequency stability	1 min / 1h / 24h ca. ± 1 MHz / ± 1 MHz / ± 2 MHz
Operating temperature range	+15 ... +30 °C
Storage temperature range	- 40 ... + 50 °C
Typical life time	25.000 h
Dimensions of laser head (Ø x L):	Ø 32 mm x 180 mm
Power consumption in stabilized condition, dependent on Power supply	< 20 W
Power supply	
Line voltage / frequency	AC 100 ... 240 V / 47 ... 63 Hz
Dimensions electronic unit [W x H x D]	172 mm x 60 mm x 230 mm
OEM Power supply	
Line voltage / frequency	12 – 13.5 V @ 2.5 A
Dimensions OEM electronic unit [W x H x D]	89 mm x 94 mm x 28 mm
Length of cable between laser head and electronic unit m 1 (optionally up to 2)	
Mass of laser head incl. cable / electronic unit AC 100...240V/ electronic unit 12 – 13.5V	250 / 1600 / 200 g
Laser safety class according to EN 60825-1	2M

03/2022 · Subject to change.