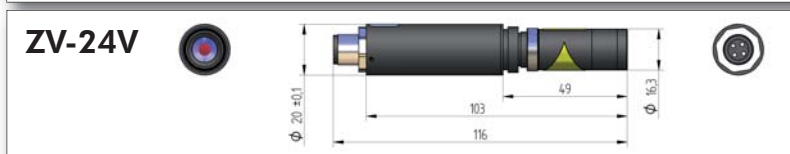
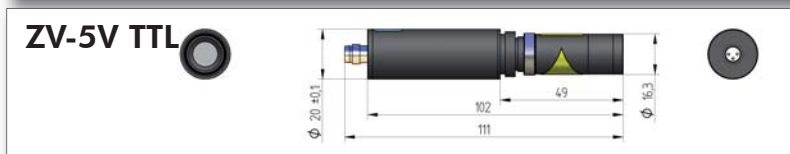
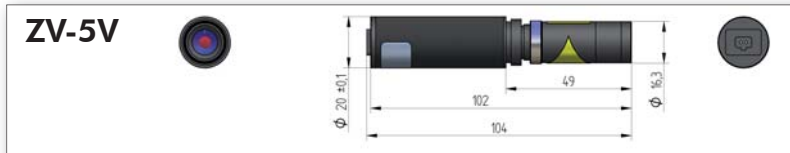


ZV

Z-LASER

Laser with \varnothing 20mm

- Universal laser for operation with a power supply (5V version) or for connection to machine voltage (24V version)
- Various optics and electronic control options (intensity control, 1KHz, 20KHz and 60MHz modulation)
- Hand focusable



Specifications

Output Power/Wavelength	1 to 40mW, 635nm +/- 10nm, other wavelength upon inquiry
Housing/IP code	Aluminium, black anodised / IP 63
Case temperature	-10 to +40°C (dependent on the laser diode used, range may be wider)
Supply voltage	5VDC or 24VDC
Electrical connection	5VDC: Texas socket 5VDC TTL- and -analog option: 3-pin M8 connector 24VDC: 4-pin M12 connector

Electronics

Laser driver	APC with current limiter
Supply	reverse polarity protection
Modulation	5VDC and 24VDC : by operation voltage up to 1KHz (see data sheet) 5VDC (-TTL) : TTL up to 20kHz 5VDC (-HM) : Modulation up to 60MHz
Intensity control	5VDC (-ana) : 0 - 100%
Available optics	all optics except -lg90a
Free focus option	yes (standard)

Accessories*

Power Supply	5V (no modulation, no intensity control) : WPS-5 (for Texas socket), NG CW-HD-3.5 (for cable with end splice) 24V : NG CW-12/24 (for cable with end splice)
Mountings	H0-20, H2-20, H3-20, H4-20, H6-20, H8-20, Mxyz
Auxiliary mountings	BK, BM, BT
Manual or motor driven displacement systems	LS/LW, ZES
Accessories for optics	LB20, LZB

* for details please refer to detailed data sheets

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