**MDL-XS-980**/1~50mW

## DIODE XS SERIES LASER AT 980nm

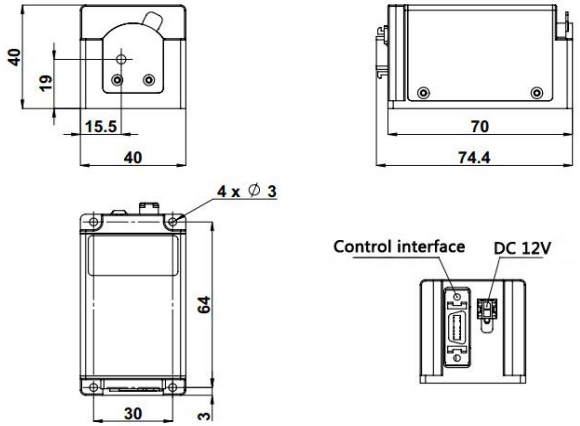
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.

**SPECIFICATIONS**

| | |
|---|---|
| Central wavelength (nm) | 980±10 |
| Operating mode | CW |
| Output power (mW) | >1, 10, 20, …,50 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% |
| Transverse mode | Near $TEM_{00}$ |
| Noise of amplitude(rms,20Hz~20MHz) | <1%(<0.5%, optional) |
| $M^2$ factor | ~1.5 |
| Beam diameter at the aperture ($1/e^2$,mm) | ~1.2 |
| Beam divergence, full angle (mrad) | <1.0 |
| Warm-up time (minutes) | <5 |
| Beam height from base plate (mm) | 19 |
| Operating temperature (℃) | 10~35 |
| Operating voltage | DC12V 4A |
| Modulation | DMOD (TTL) up to 1MHz<br>AMOD (Analog) up to 100kHz<br>DMOD+ AMOD (TTL + Analog) |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |

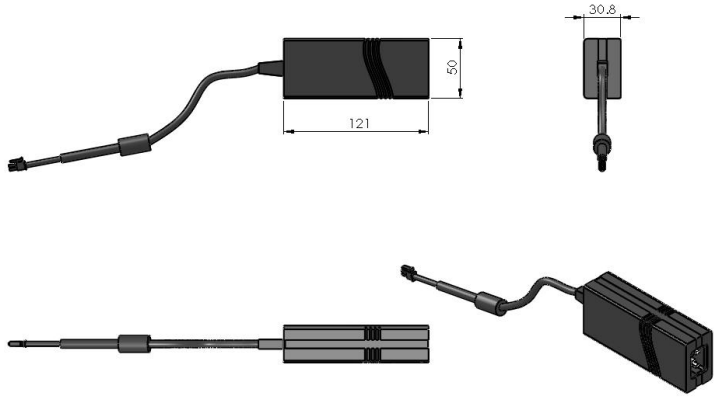

Note: The laser head needs to be used on a heat sink with good heat dissipation.

### MDL-XS-980




**74.4(L) ×40(W) ×40 (H) $mm^3$, 0.2kg**

### Optional Power Supply (100-240VAC)




**121(L) ×50(W) ×30.8 (H) $mm^3$, 0.3kg**

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