

## 375 nm UV Laser MDL-III-375L

**Model #:** MDL-III-375L

**Description:** This UV laser at 375 nm features ultracompact, long lifetime, cost-effective and easy operating.

**Application:** DNA sequencing, flow cytometry, cell sorting, optical instrument, physics experiment, etc.

### Specifications

Wavelength (nm)	375 ± 5
Operating Mode	CW
Output Power (mW)	>1, 2, 3,....., 50
Transverse Mode	Near TEM <sub>00</sub>
Power Stability (rms, over 4 hours)	<1%, 2%, <3% (0.5% optional)
M <sup>2</sup> Factor	<1.5
Warm-up Time (minutes)	<5
Beam Divergence, Full Angle (mrad)	<0.5
Beam Diameter at aperture (1/e <sup>2</sup> , mm)	~3.0
Beam Height from Base Plate (mm)	24.8
Pointing Stability after Warm-up (mrad)	<0.05
Polarization Extinction Ratio	>50:1, (>100:1 optional) horizontal ± 5° (vertical optional)
Beam Operating Temperature (C°)	10 ~ 35
Power Supply (90-264VAC or 5V DC)	PSU-III-FDA/PSU-III-LED (Frequency for 1Hz-30KHz) PSU-A-D (Frequency for 30kHz ~ 100kHz)
TTL / Analog Modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional
Expected Lifetime (hours)	10000
Warranty Period	1 year

Note: the laser needs to be placed on a heat sink with good heat dissipation

### Ordering Information: MDL-III-375-A-B-C-D

A: maximum output power	B: power stability	C: power supply	D: modulation
30 - 30 mW	1 - 1%	1 - PSU-III-FDA	1 - 1Hz - 1kHz
50 - 50 mW	2 - 2%	2 - PSU-III-LED	2 - 1kHz - 10kHz
X - other	3 - 3%	3 - PSU-A-D	3 - 10kHz - 30kHz
			4 - 30KHz - 100kHz
			N - no modulation

PSU-A-D	MDL-III-375
 <p data-bbox="370 695 704 726">162(L)x144(W)x70(H), 1.0kg</p>	 <p data-bbox="954 684 1317 716">143.5(L)x73(W)x46.2(H), 0.7kg</p>
PSU-H-FDA	PSU-III-LED
 <p data-bbox="358 1220 716 1251">171(L)x130(W)x62.2(H), 1.2kg</p>	 <p data-bbox="959 1230 1312 1262">188.6(L)x155(W)x92(H), 1.5kg</p>

