

MDL-III-400/405/410/415



VIOLET DIODE LASER AT 400/405/410/415nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Model	MDL-III-400	MDL-III-405	MDL-III-410	MDL-III-415
Central wavelength (nm)	400±5	405±5	410±5	415±5
Operating mode	CW			
Output power (mW)	>1, 2, 3, ...,300	>1, 2, 3, ...,500	>1, 2, 3, ...,300	>1, 2, 3, ...,300
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)			
Transverse mode	Near TEM ₀₀			
M ² factor	<1.5 (<1.2, optional)			
Beam diameter at the aperture (1/e ² ,mm)	~2.5 (~1.2, optional)			
Beam divergence, full angle (mrad)	0.5			
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)			
Warm-up time (minutes)	<5			
Pointing stability after warm-up (mrad)	<0.05			
Beam height from base plate (mm)	24.8			
Operating temperature (°C)	10~35			
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)		
	100-240VAC	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	1 year			



MDL-III-400/405/410/415	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>	<p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p>