



MDL-III-940L/1~250mW



**INFRARED DIODE LASER
AT 940nm**

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



SPECIFICATIONS

Central wavelength (nm)	940±5
Operating mode	CW
Output power (mW)	>1, 10, 20, ..., 250
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	Near TEM ₀₀
M ² factor	~1.5 (~1.2, optional)
Beam diameter at the aperture ((1/e ²),mm)	~3.5 (~1.2, optional)
Beam divergence, full angle (mrad)	<1.0
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
	100-240VAC
	PSU-III-LED/ PSU-III-FDA (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	1 year



MDL-III-940L	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p style="text-align: center;">143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p style="text-align: center;">188.6(L)×155(W)×92(H) mm³, 1.5kg</p>	<p style="text-align: center;">171(L)×130(W)×62.2(H) mm³, 1.2kg</p>	<p style="text-align: center;">162(L)×144(W)×70(H) mm³, 1.0kg</p>