



MDL-III-785R/1~350mW



**INFRARED DIODE LASER
AT 785nm**

Infrared diode laser at 785nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | |
|-------------------------------------|--|--|
| Wavelength (nm) | 785±10 | |
| Operating mode | CW | |
| Output power (mW) | >1, 10, 20, ..., 200 | >200, 210, ... , 350 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% | |
| Transverse mode | Round | |
| Beam diameter at the aperture (mm) | ~2 | ~2 |
| Beam divergence, full angle (mrad) | ~10 | ~20 |
| Warm-up time (minutes) | <5 | |
| 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-785R | 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, 15kg</p> | <p>171(L) ×130(W) ×62.2 (H)mm³, 1.2kg</p> | <p>162(L) ×144(W) ×70 (H)mm³, 1.0kg</p> |