



HIGH POWER, DIODE-PUMPED CW Nd:YAG LASER

MODEL LDP-50M

Low-Divergence Multimode

An innovative laser optics design, combined with an industrial-grade power supply, results in an extraordinarily reliable and rugged diode-pumped Nd:YAG laser for industrial use. A TOTALLY SOLID-STATE LASER for TROUBLE-FREE MANUFACTURING !

- Efficient diode optical pumping for improved performance and reliability
- High power output from small diameter, low divergence beam
- Efficient water/water heat exchanger cooling system (self-contained chiller optionally available)
- "CE Mark" Certified; this is a CDRH Class IV laser product

Wavelength	1064 nm
Transverse Mode	Low-Divergence Multimode
Beam Diameter, nominal	1.5 mm
Beam Divergence (full angle), nominal	4 mr
Polarization	Random

CW (continuous) Performance

Output Power, nominal; 2.0 mm apertures	22 Watts
Stability	1 % rms

Mechanical

Optical Rail Length, standard	100 cm
Power Station Dimensions (water/water)	77H x 60W x 85D cm

Electrical Power

Recommended Service	220 \pm 10% VAC, 1-phase, 50/60 Hz, 20A
Average Consumption	2 kW, maximum

Water

Internal, air-cooled	City water cooled, 4 l/m @ 15° C max temp Self-contained, refrigerated chiller optionally available. 1-kW heat vented into room.
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