

## DIODE-PUMPED CW Nd:YAG LASER

## MODEL LDP-10TO

TEMoo Mode

An innovative laser optics design, combined with an industrial-grade power supply, results in a 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
- Q-switched pulse stability < 3 % rms up to 10 kHz
- Efficient water/water heat exchanger cooling system (self-contained chiller available as an option)
- "CE Mark" Certified; this is a CDRH Class IV laser product

Wavelength	1064 nm
Transverse Mode	TEMoo
Beam Diameter, nominal	.9 mm
Beam Divergence, nominal	2.0 mr
Polarization	Random

CW (continuous) performance:

Output Power, nominal 10 Watts Stability 1 % rms

Q-switched (pulsed) Performance at 10 kHz

Average Power 6 Watts Pulse Width < 200 ns Peak Pulse Power 3 kW **Pulse Stability** 5 % rms

Mechanical

Optical Rail Length, (options dependent) 100 cm

**Power Station Dimensions** 77H x 60W x 85D cm

**Electrical Power** 

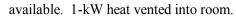
Recommended Service  $220 \pm 10\%$  VAC, 1-phase, 50/60 Hz, 20A

Average Consumption 2 kW, maximum

Water

City water cooled, 4 l/m @ 15° C max temp Internal, water/water cooler

Self-contained, refrigerated chiller optionally





Lee Laser follows a policy of ongoing continuous improvement. Specifications are subject to change without notice.

