



## DIODE-PUMPED CW Nd:YAG LASER

### MODEL LDP-10TQ TEM<sub>00</sub> Mode

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
- 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	TEM <sub>00</sub>
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 ± 10% VAC, 1-phase, 50/60 Hz, 20A
Average Consumption	2 kW, maximum

#### Water

Internal, water/water cooler	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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*Lee Laser follows a policy of ongoing continuous improvement. Specifications are subject to change without notice.*

