

Lida 1064

Actively Q-Switched All Solid-State Infrared Laser

The Lida 1064 is a high peak power, nanosecond, pulsed, infrared laser suitable for a variety of research and industrial applications.

Features

- 0.6 MW peak pulse power
- 6 ns pulse width
- Near TEM₀₀ beam quality
- Water cooling
- External computer control over the repetition rate and output energy via the built-in RS232 port

Applications

- Inspection
- Flow measurements
- Material processing
- Pumping of OPO and Raman converters



Specifications

Parameter	Lida 1064
Wavelength	1064 nm
Energy Output	4 mJ
Repetition Rate	1 kHz (variable from 1 Hz to 1 kHz)
Mode structure	Close to TEM ₀₀
Pulse-to-pulse stability	< 1 %
Pulse counting	Available via RS-232 port (up to 4·10 ⁹ pulses)
Pulse width	~ 6 ns
Q-switch	Active
Sync pre-pulse emission	≤ 1 ns
External control	Connector/pin for TTL trigger input
Electrical port	100-240 VAC, 47-63 Hz, Single Phase

All Specifications Subject to Change without Notice

Content and Delivery

The delivered laser consists of the following:

- Laser Head;
- Power Unit;
- Cooling Unit;
- Connecting cables and tubes;
- Manual; and
- Test Record.

Warranty

1 year for all parts and labor excluding the laser pump diode. The pump diode is warranted for the lesser of 1 year or 10⁹ pulses.

Passat USA

720 N. Hammonds Ferry Rd.
Linthicum, MD 21090, USA
Tel : (410) 609-2006
Fax : (360) 323-6971
E-mail : info@passatinc.com

Passat Canada

401 Magnetic Drive, Unit # 45
Toronto, Ontario M3J 3H9, Canada
Tel : (416) 661-9633
Fax : (866) 422-0959
E-mail : info@passatltd.com

www.passatltd.com