

## Lida 1064

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### Actively Q-Switched All Solid-State Infrared Laser

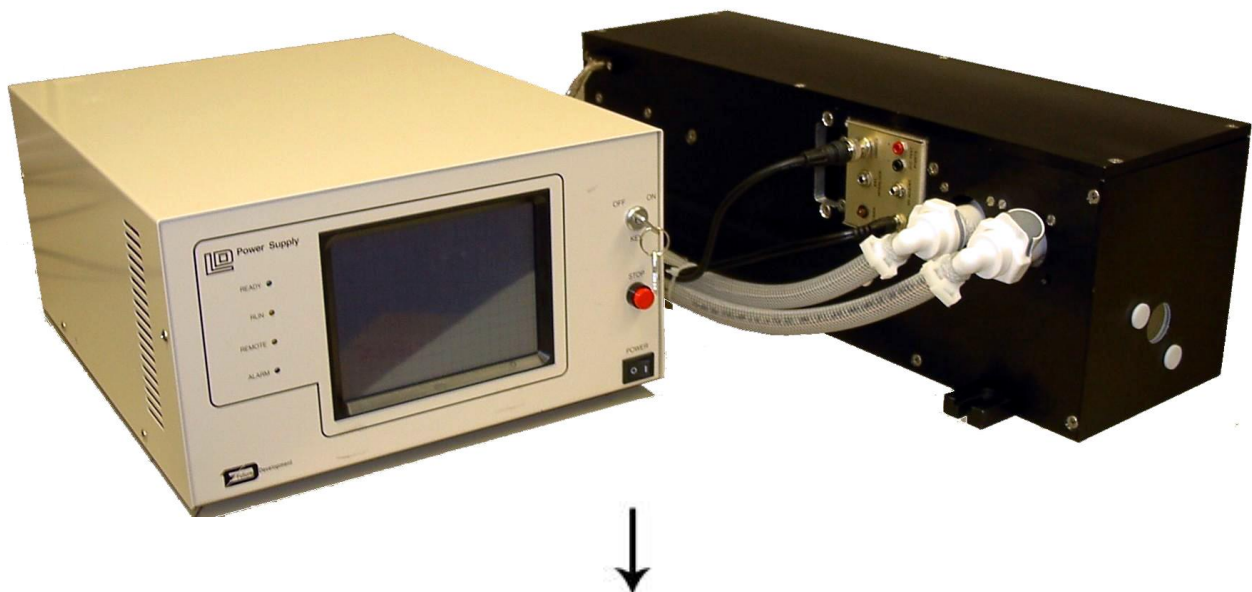
The Lida 1064 is a high peak power, nanosecond, pulsed, infrared laser suitable for a variety of research and industrial applications.

### Features

- 0.6 MW peak pulse power
- 6 ns pulse width
- Near TEM<sub>00</sub> 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 <sub>00</sub>
Pulse-to-pulse stability	< 1 %
Pulse counting	Available via RS-232 port (up to 4·10 <sup>9</sup> 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 10<sup>9</sup> 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](mailto:info@passatinc.com)

### **Passat Canada**

116D Viceroy Rd. Unit 1-4  
Concord, ON L4K 2M4, Canada  
Tel : (905) 695-1088  
Fax : (866) 422-0959  
E-mail : [info@passatltd.com](mailto:info@passatltd.com)

[www.passatltd.com](http://www.passatltd.com)