



- Grating Stabilized 1064nm High Power Laser Diode with Narrow Line Width <0.1nm; SMSR > 40dB
- Wavelength Stability +/- 5 Picometers Over 8 Hours



1064nm Narrow Linewidth Laser Diode System

- Integrated 1064nm Laser Diode + Power Supply
- Wavelength Stability: ±0.005nm (8 Hours)
- Adjustable Optical Output Power (CW): 0 - 800mW
- Power Stability: ±1.0% (8 Hours)
- Volume Bragg Grating Stabilized
- Modulation Input: 1kHz TTL or Analog signal 0-5V

LDX-1064nm-500mW DATA SHEET



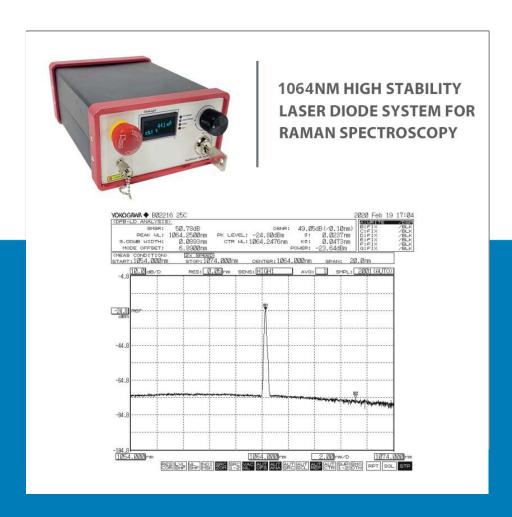




DATA SHEET

LDX-1064nm-500mW Product Overview

The 1064nm laser system includes an integrated VBG stabilized 1064nm laser diode source, laser diode driver, TEC controller and heatsink. The turnkey system allows the user to quickly setup and begin operating the 500mW laser diode. Careful attention to the design provides the user with high stability control and narrow laser linewidth. The laser output is adjustable from 0 to 500mW by adjusting the current with the adjustment knob. For laser safety the system also features an emergency stop button, enable/disable key switch and safety interlock.







LDX-1064nm-500mW SPECIFICATIONS

OPTICAL SPECIFICATIONS

| Center Wavelength: | 1064nm (±0.5nm) |
|-------------------------|--------------------|
| Output Power: | 800mW (Adjustable) |
| Linewidth: | <0.1nm |
| SMSR: | 40dB |
| Fiber Output Connector: | FC/PC or SM905 |
| Fiber Core Diameter: | 105 μm |
| Numerical Aperture: | 0.22 NA |

PRIMARY APPLICATIONS

Raman Spectroscopy

Fluorescence Spectroscopy

Holographic

Analytical Instruments

GENERAL

| Remote Interface: | USB, BNC |
|---------------------------|-----------------------|
| Dimensions (LxWxH in mm): | 105 x 102 x 200 |
| Weight: | 2.2kg |
| Supply Voltage: | 100-240 VAC . 50/60Hz |





DATA SHEET



Product Warranty:

In addition to the standard full one year waranty, this product is offered with an additional 3 months of extended warranty for a total of 15 months of waranty coverage. The warranty includes all parts and labor. The warranty does not include customer induced product damage.

Our Customer Commitment:



You Get Direct, Fast Tech-Support from a Product ENGINEER ... Not a Sales Person

You get DIRECT access to the correct factory engineer for your product. We eliminate the sales person "middle-man" back and forth time delays resolving technical issues. No more "Contact Us" forms. Every product has an assigned engineer in our auto-messaging data base to give you direct, immediate access to the correct tech-support info.



You Get an Extended Warranty

All products from Laser Lab Source come with a 12 month factory warranty. Additionally, we offer and extra 3 months of warranty on top of the standard warranty. *Warranty does not include customer induced product damage.*



You Get the Lowest Factory-Direct Prices Worldwide

All of our 3rd party global suppliers set & quote their own direct pricing. There are NO Mark-Up's. You get their lowest direct price.