

1064nm Narrow Linewidth Laser Diode System

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



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

LDX-1064nm-500mW DATA SHEET

WORLD LEADING PRODUCTS
FOR LASER SCIENTISTS AND ENGINEERS

LDX-1064nm-500mW SPECIFICATIONS

OPTICAL SPECIFICATIONS

Center Wavelength:	1064nm (± 0.5 nm)
Output Power:	800mW (Adjustable)
Linewidth:	<0.1nm
SMSR:	40dB
Fiber Output Connector:	FC/PC or SM905
Fiber Core Diameter:	105 μ m
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

OPTIONAL OEM VBG LASER DIODE SOURCE PACKAGE

Integrated Wavelength Stabilized Laser
Laser Diode Driver + TEC Controller

Compact Footprint:
76.2mm x 63.5mm x 22mm

Optional USB Control



CONTACT FOR PRICING

Laser Control & 5V Power
Supply Input

Product Warranty:

In addition to the standard full one year warranty, this product is offered with an additional 3 months of extended warranty for a total of 15 months of warranty 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.