



## 1470nm Turn-Key Fiber-Coupled Laser Diode Source 25W, Multi-Mode Output



### **1470LD-5-4-2 / LASER-DIODE**

- o 25Watt Output Power
- o Turn-Key Operation, USB-Connected Operation
- o 105 $\mu$ m Core Fiber-Coupled, NA 0.22, SMA905 Terminated
- o Spectral Width < 20 nm
- o SMA905 Terminated



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## CW LASER SOURCE SYSTEM -- 1470LD-5-4-2 / LASER-DIODE / CCMI

This 25 Watt, 1470nm, CW source system is built around a highly reliable fiber-coupled laser diode. The system is preconfigured and pretested, and is delivered ready-to-run.

The CCMI laser source system features closed-case construction: the laser, heat-sink, and controller electronics are contained in an enclosed case to help protect the laser diode and direct the cooling air from the automatic fan. The source system is easily operated using the included GUI over USB interface, and multiple systems can be operated by the same computer.

## SYSTEM SPECIFICATIONS

### LASER OUTPUT SPECIFICATIONS

- Wavelength: 1470 nm ( $\pm$  10 nm)
- Spectral Width: 20 nm
- Output Power: 30 W
- Optical Fiber: 105 $\mu$ m Core Multimode

### LASER DIODE CONTROLLER SPECIFICATIONS

- Current Range: 0 - 13 Amps
- Compliance Voltage Range: 0 - 23 Volts
- Current Stability:  $\pm$  0.05%
- Laser Diode Set-Point Adjustment Resolution: 0.05 Amps
- Max. Modulation Rate: 100 kHz

### TEC CONTROLLER

- Temperature Control Range (typ): 15 - 40°C
- Temperature Stability (typ): 10 mK
- TEC Power: > 150 Watts

### MODULATION SPECIFICATIONS

- Pulse Duration: 10  $\mu$ s to CW (External Source)
- Trigger: External Only
- Externally Adjustable CW Offset in Pulse Mode



### USER INTERFACE AND POWER INPUT

- USB with GUI Software
- Includes Control Software Libraries : DLLs, Hexa, Labview VI
- Required Power Supply : 24 VDC (not included; see below)

### DIMENSIONS

- 238 mm x 119 mm x 112 mm





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## **PRODUCT SALES AND SERVICE:**

Unlimited phone and email support is provided for products purchased through Laser Lab Source. Orders for this product are fulfilled by Laser Lab Source in North America and select international regions. It is manufactured by AeroDIODE, Talence, France.

## **PRODUCT WARRANTY:**

This product is sold with a full one-year warranty. It is warranted to be free from defects in material and/or workmanship for a period of one year from the date of shipment.



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