



1470nm Pre-Configured Fiber-Coupled Laser Diode Source 30W, Multi-Mode Output



1470LD-5-4-1 / LASER-DIODE

- o 30 Watt Output Power
- o Open-Frame Controller
- o 105 μ m Core Fiber-Coupled, NA 0.22, SMA905 Terminated
- o Spectral Width < 20 nm
- o USB-Connected Operation



**LASER
DIODE
SOURCES**



CW LASER SOURCE SYSTEM -- 1470LD-5-4-1 / LASER-DIODE / CCM

This 30 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 CCM laser source system features open-case construction: the laser, heat-sink, and controller electronics are contained in an open case to provide access to the laser diode as application requirements evolve.. The source system is easily operated using the included GUI over USB interface, and multiple systems can be operated by the same computer. 980nm-10W-Integrated-Turn-Key-Source-and-Control-System

SYSTEM SPECIFICATIONS

LASER OUTPUT SPECIFICATIONS

- Wavelength: 1470 nm (\pm 10 nm)
- Spectral Width: 20 nm
- Output Power: 30 W
- Optical Fiber: 105 μ 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 μ 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





Offered by
LASER LAB SOURCE



**LASER
DIODE
SOURCES**

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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