

## 860nm, 1W, Fiber-Coupled Laser



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### SPECIFICATIONS

#### General

Type of Laser:  
Diode

Laser Class - CDRH:  
IV

Beam Divergence (NA):

0.22

## Physical & Mechanical Properties

270 L x 210 W x 135 H **Dimensions (mm):**  
1.8 **Weight (kg):**

## Optical Properties

200 **Fiber Diameter (μm):**  
860.00 **Wavelength (nm):**  
±10 **Wavelength Tolerance (nm):**  
Infrared **Color:**

## Electrical

1000 **Output Power (mW):**  
TTL/Analog with 1Hz-30kHz **Modulation Frequency (kHz):**

## Hardware & Interface Connectivity

1.0 **Length of Cable (m):**  
Fiber-Coupled **Output Type:**  
SMA905 **Connector:**  
100 - 240 VAC **Input Voltage (V):**

## Environmental & Durability Factors

+10 to +35 **Operating Temperature (°C):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## PRODUCT DETAILS

- Output Powers from 0.15 to 5W
- Wavelength Options from 405 - 1550nm
- Standalone, Air Cooled Benchtop Operation

Fiber-Coupled Benchtop Laser Systems provide powers up to 5W at the fiber output across the UV, VIS, and NIR spectra from 405 to 1550nm. Featuring an LCD display and control knob to adjust output power and temperature, these lasers are housed in various sized benchtop systems for standalone use. An external trigger can be used to modulate the laser intensity through either a TTL signal, or with analog modulation up to 30kHz. Fiber-Coupled Benchtop Laser Systems are ideal for a range of laboratory, research, and industrial applications such as materials processing or laser pumping. These lasers come with a 0.22 NA, 200μm core, SMA connectorized fiber patch cord for ease of setup and use. Additional 0.22 NA patch cords are available and sold separately [here](#).