

780nm Frequency Stabilized Laser

Based on Precilasers' narrow-linewidth 780nm laser and all-fiber rubidium frequency-stabilized module, the 780nm frequency-stabilized laser can output narrow-linewidth laser output with good long-term stability, which can be applied to fields such as industrial precision measurement.

Features

- Narrow Linewidth
- Linear Polarization
- High Power
- Active Power Stabilization
- Excellent Beam Quality
- Never Mode-hop
- Resistant to high and low temperature and vibration working environment

Application

- Precision Measurement



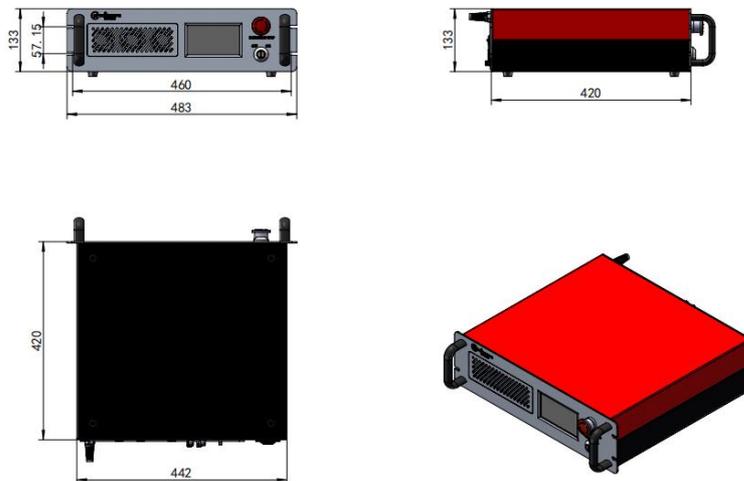
Specification	
Partnumber	FL-SF-780-XX ⁽¹⁾ -MTS
Center Wavelength	780.24nm ⁽²⁾
Output Power	>10mW >100mW
Power Adjustment Range	10-100%
Linewidth (100us integral) ⁽³⁾	<20kHz
Frequency Stability	Rubidium Atomic Frequency Stabilization, 10ppb@1hrs, <1ppb@30s
Long Term Power Stability	<0.75% @3hrs, RMS
Output Mode	Single-mode polarization-maintaining fiber output, FC/APC Connectors
Beam Quality	M ² <1.1
Polarization Extinction Ratio	>23dB,Linear polarization
Cooling	Air Cooling
Temperature	15-30°C
Power Supply	100-240V, AC, 50/60Hz
Power Consumption	<100W
Weight	<35kg

(1)X: Laser power, in W, e.g. output power0.1W: FL-SF-780-0.1-MTS

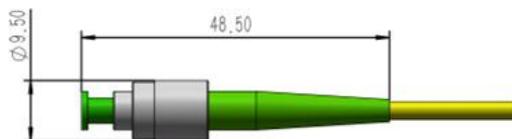
(2)For other central wavelengths, please contact us by email

(3)Fiber-optic delay interferometer test

❖ Product Dimensions



Air-cooled product size



Polarization-maintaining fiber output size



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⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.
CLASS 4 Laser Products

