1064/785nm Dual Wavelength And Narrow Linewidth System

Technical Parameter		CL785/1064-MIF(FP)-500/500mW-NLDM003
Optical parameter	Central wavelength (nm)	785/1064
	Output Power (mW)	> 500 (each wavelength)
	Wavelength tolerance (nm)	± 0.5 (each wavelength)
	Line width (nm)	<0.1 (each wavelength)
	Wavelength stability	± 0.005nm @ 8H Typ.
	Power stability	± 0.1% @ 8H Typ.
	Side mode rejection ratio	40dB
System parameters	Power adjustment range	0～100%
	Preheat time	15min
	Modulation input	1KHz TTL or Analog signal0-5V
	Control interface	USB, BNC
	Fiber interface	FC/PC, SMA905
	Adapted fiber	105μm,0.22NA
	Power input	100-240VAC，50/60Hz
	System power consumption	<7 W
	Storage temperature	-10～60℃
	Storage humidity	0～80%RH
	Operating temperature	10～35℃
	System weight	2.5Kg
	System size	150 x 102 x 200mm

DESCRIPTION

The special dual wavelength narrow linewidth laser system of our company in the top view can provide two kinds of wavelength narrow linewidth fiber coupling output. The laser adopts the core technologies such as wavelength locking of body Bragg grating (VBG), directional optical feedback and built-in semiconductor refrigeration module to realize the narrow linewidth, stable power and stable spectral output of the system.

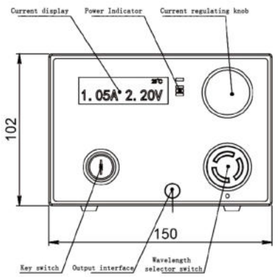
FEATURES

- Both wavelengths can achieve line width <0.1nm
- Frequency stability better than ±0.005nm@8H
- Constant two-wavelength frequency interval, supporting differential calculation methods
- Temperature drift <0.007nm / ℃, VBG wave lock
- Built-in TEC, power stability is better than ± 1.5%

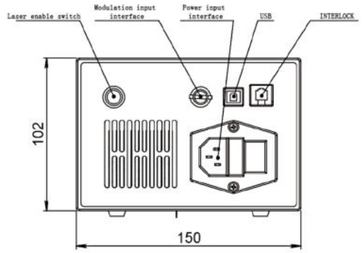
APPLICATION

- Confocal microscopy
- Raman spectroscopy
- Super-resolution microscopy
- Biological detection

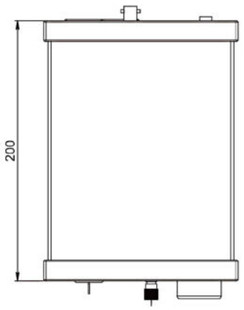
OUTLINE SIZE(mm)



Front View



Rear View



Top View


Unit: mm