830nm/785nm Dual Wavelength Narrow Linewidth Laser System of NLDM Series

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%

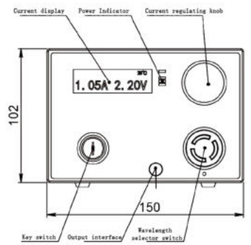
APPLICATION

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

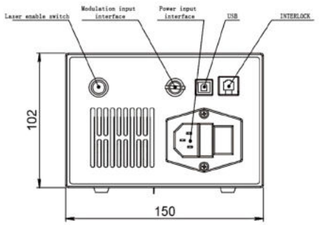
PARAMETERS

Model		CL785/830-MIF(FP)-500/500mW-NLDM002
Optical Parameter	Central Wavelength (nm)	785/830
	Output Power (mW)	> 500 (each wavelength)
	Wavelength Tolerance (nm)	± 0.5
	Line Width (nm)	<0.1
	Wavelength Stability	± 0.005nm @ 8H Typ
	Power Stability	±1.0%@8H
	Side Mode Rejection Ratio (dB)	40
System Parameter	Power Adjustment Range	0～100%
	Preheat Time (Min)	15
	Modulation Input	1KHz TTL or Analog signal0-5V
	Control Interface	USB, BNC
	Fiber Interface	FC/PC
	Adapted Fiber	105μm，0.22NA
	Power Input	100-240VAC，50/60Hz
	System Power Consumption (W)	<7
	Storage Humidity (RH)	0~80%
	Storage Temperature (℃)	0～60
	Operating Temperature (℃)	10~35
	System Weight (Kg)	2.5
	System Size (mm)	150 x 102 x 200

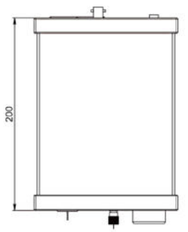
OUTLINE SIZE(mm)



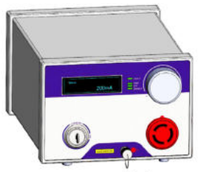
Front View



Rear View



Top View


Unit: mm

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