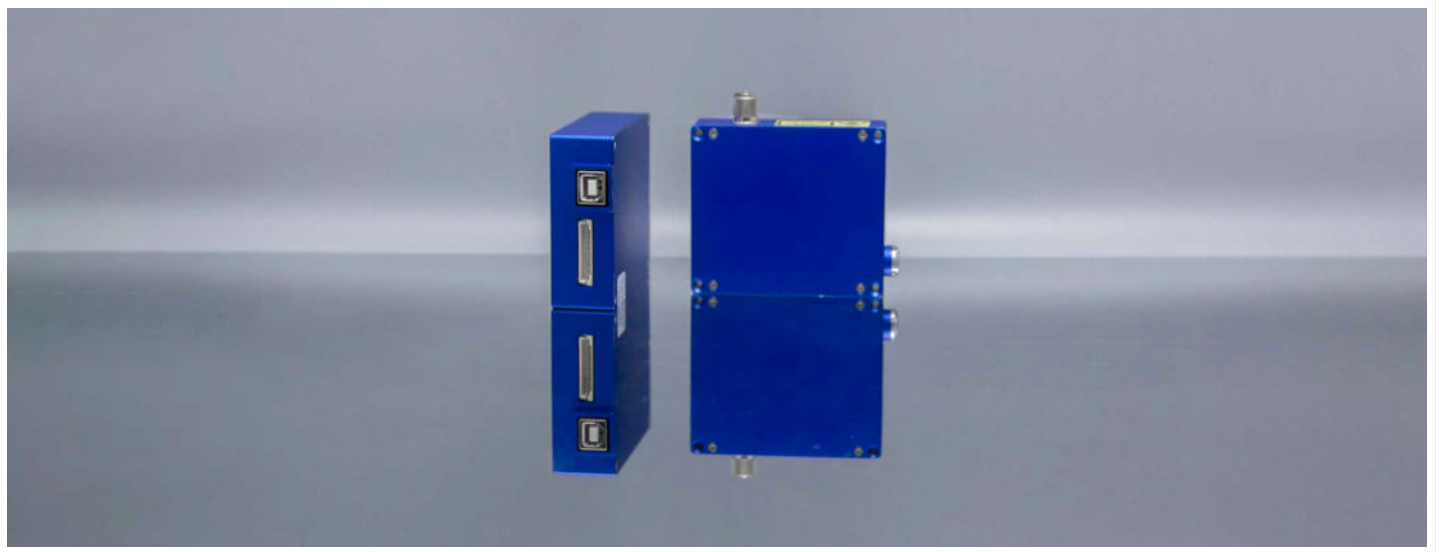


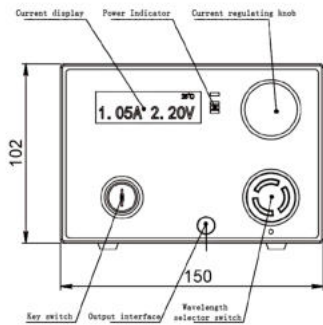
830nm Narrow Line Width Laser



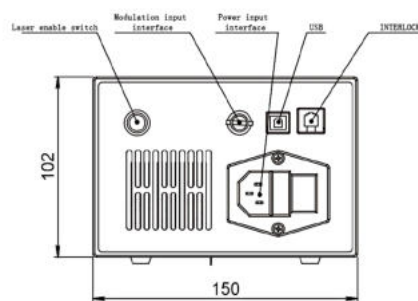
DESCRIPTION

Narrow linewidth laser system is our special product. This series of products are compact in structure, portable and convenient. The core technologies such as short cavity method, VBG wavelength locking, directional optical feedback, built-in semiconductor refrigeration, etc. are used to realize narrow linewidth, stable power and stable spectral output of laser.

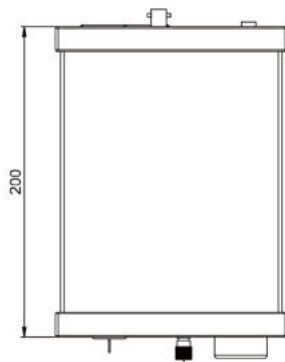
LASER HEAD SIZE CHART



Front View



Rear View



Top View



Unit: mm



PARAMETERS

		CL830-MSIF(S)-500mW-NLM010	CL830-MSIF(FP)-500mW-NLM011
Optical Parameter	Central Wavelength	830nm	830nm
	Output Power	500mW	500mW
	Wavelength Tolerance	±0.5nm	±0.5nm
	Line Width	< 0.1nm	< 0.1nm
	Wavelength Stability	±0.005nm @8H Typ.	±0.005nm @8H Typ.
	Power Stability	±1.5% @8H Typ.	±1.5% @8H Typ.
	Side Mode Rejection Ratio	40dB	40dB
System Parameters	Power Adjustment Range	0~100%	0~100%
	Preheat Time	15min	15min
	Modulation Input	1kHz TTL Or Analog signal0-5V	1kHz TTL Or Analog signal0-5V
	Control Interface	USB, BNC	USB, BNC
	Fiber Interface	SMA905	FC/PC
	Adaptive Optical Fiber	105μm, 0.22NA	105μm, 0.22NA
	Power Input	100V-240V,50/60Hz	100V-240V,50/60Hz
	System Power Consumption	<7W	<7W
	Storage Temperature	-10~60℃	-10~60℃
	Storage Humidity	0~80%RH	0~80%RH
	Operating Temperature	10~35℃	10~35℃
	System Weight	2.5Kg	2.5Kg
	System Size	150 x 102 x 200mm	150 x 102 x 200mm

FEATURES

- Line width <0.1nm
- Frequency stability better than ±0.005nm@8H
- Side mode rejection ratio is better than 40dB (60dB optional)
- Portable operation, temperature drift <0.007nm / °C, VBG wave lock
- Built-in TEC, power stability is better than ± 1.5%
- Including host computer control, emergency stop switch, short circuit protection and other functions

APPLICATIONS

- Raman Spectroscopy
- Fluorescence Spectrum Detection
- Holographic Detection
- Up-conversion Material

