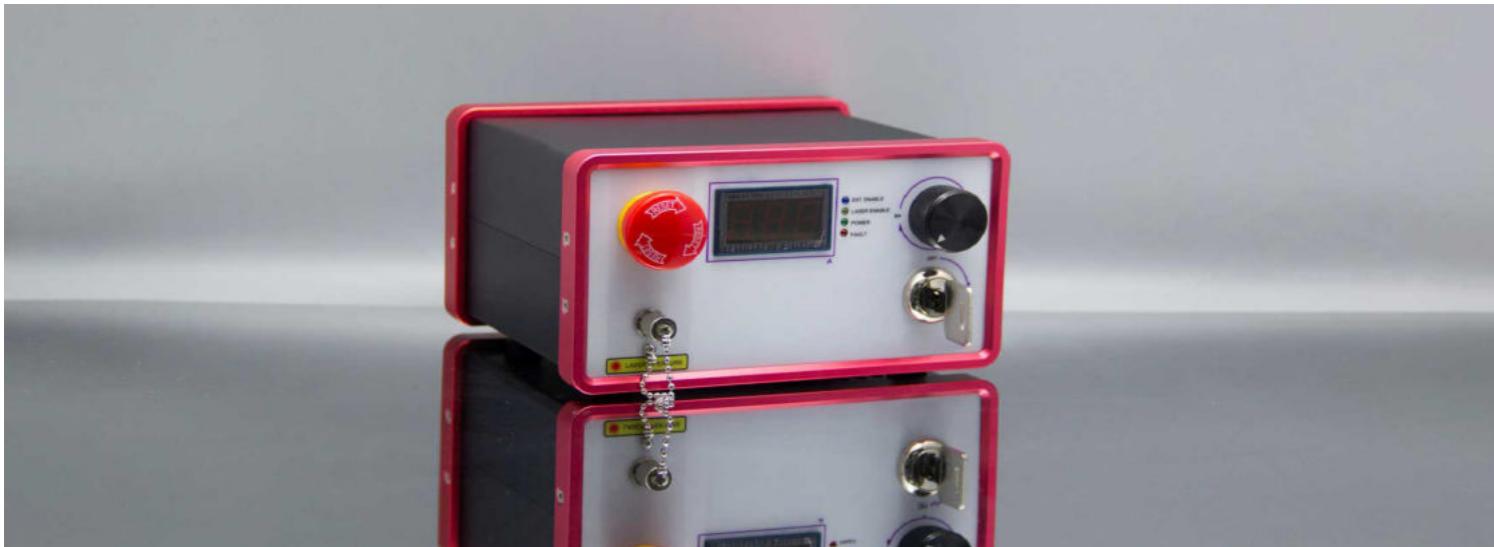


830nm Narrow Linewidth Laser System of NLM Series



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

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.

FEATURES

- Line width <0.1nm
- Frequency stability better than $\pm 0.005\text{nm}$ @8H
- Side mode rejection ratio is better than 40dB (60dB optional)
- Built-in TEC, power stability is better than $\pm 1.5\%$
- Portable operation, temperature drift <0.007nm / °C, VBG wave lock

APPLICATIONS

- Raman spectroscopy
- Fluorescence spectrum detection
- Holographic detection
- Up-conversion material

OUTLINE SIZE(mm)

