

## Narrow -Linewidth Multimode Laser YLS-8304-01

### Introduction

YLS-8304-01 is a series of research-grade narrow-linewidth multimode lasers. 532/ 785/ 808/ 830/ 976/ 1064nm central wavelengths options are available. External triggering and real-time monitoring are supported. YLS-8304-01 is compact and portable and has the advantages of narrow linewidth and stable power & wavelength output, which make YLS-8304-01 ideal for fluorescence detection and material analysis industries and research.

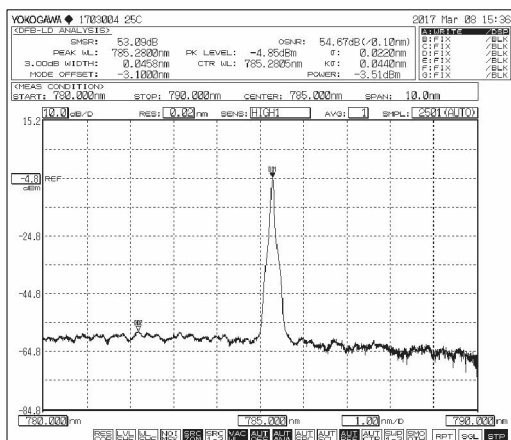
### Features

- Linewidth < 0.1nm
- $\pm 0.005\text{nm}@4\text{H}$  frequency stability
- 40dB (60dB optional) side-mode suppression ratio
- $< 0.007\text{nm}/^\circ\text{C}$  temperature drift
- Built-in TEC,  $\pm 2\%$  power stability

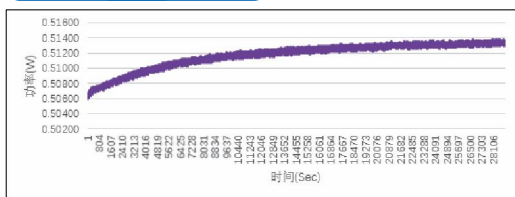
### Applications

- Raman , LIBS, and pump sources

### Performance

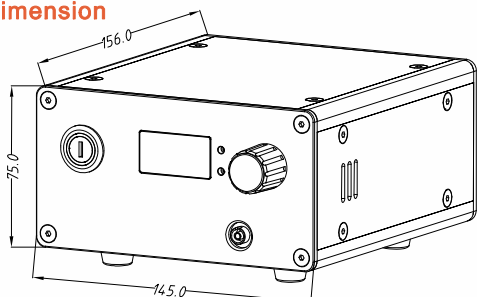


785nm laser spectrum



Power stability of 785nm laser (4 hours)

### Dimension



### Specifications

Optical Parameters						
Wavelength (nm)	532	785	808	830	976	1064
Power (mW)	100	500	600	600	800	800
Wavelength tolerance (nm)	±0.5					
Linewidth (nm)	<0.08	<0.1	<0.3	<0.1	<0.3	<0.1
Wavelength Stability	±0.005nm@4H					
Power Stability	±2.0%@4H					
side-mode suppression ratio	35-45dB					
System Parameters						
Power Range	0~100%					
Warm-up Time	15min					
Input	0~5V					
Interface	USB, BNC					
Fiber Connector	SMA905, FC/PC					
Adapted Fiber	105µm with 0.22 NA					
Power Supply	100-240VAC, 50/60Hz					
Power Consumption	<20W					
Temperature	10~35°C					
Weight	1.2Kg					
Dimension	150 x 102 x 200 mm					