Narrow Linewidth Laser

BRM-760X Series

The BRM-760X series lasers can provide output at various central wavelengths, including 532nm, 785nm, 830nm, and 1064nm, with a linewidth of 0.1nm. These lasers feature narrow linewidth and high power stability, making them suitable for a wide range of applications such as DNA sequencing, flow cytometry, digital imaging, analytical chemistry, particle measurement, confocal microscopy, and Raman spectroscopy.

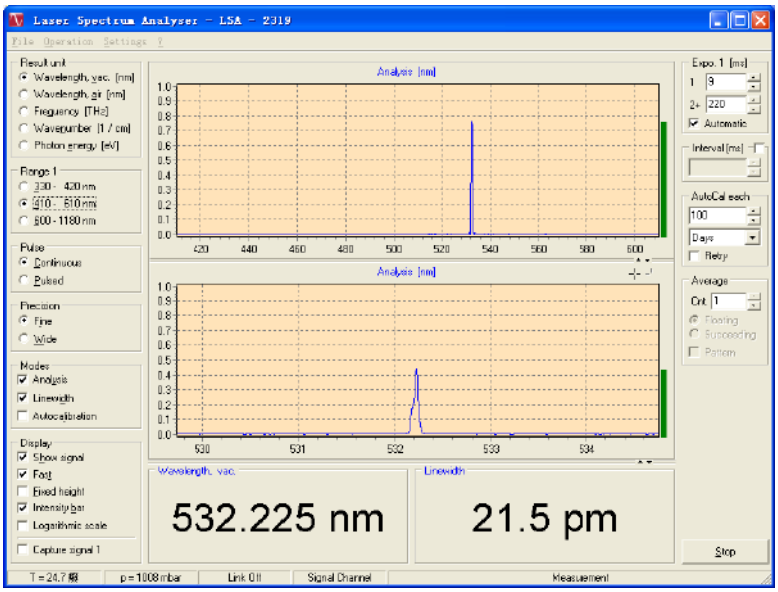
Features

- <0.1nm narrow linewidth output
- Tunable optical power (0-100%)
- Power stability ±2%
- External modulation mode supported

Applications

- Raman spectroscopy test
- Flow cytometry
- Biochemical analysis
- Particle measurement

Typical Spectrum

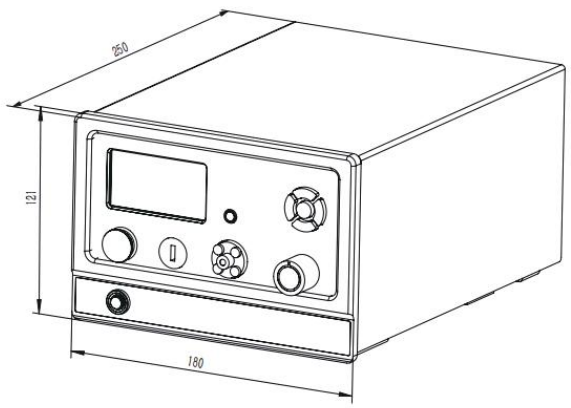


BRM-7601

Specifications

Model	BRM-7601	BRM-7602	BRM-7603	BRM-7604
Wavelength	532nm	785nm	830nm	1064nm
Output Power	0~100mW	0~400mW	0~400mW	0~800mW
Raman Applications	• Inorganic materials • Raman resonance experiments • Carbon materials (e.g., carbon nanotubes, fullerenes)	• Limited fluorescence interference • High spectral resolution • Measurement of chemicals and organic materials	• Chemical & Pharmaceutical Analysis – Molecular fingerprint identification • Material Science – Crystal structure and stress characterization • Biomedical Research – Label-free cellular/ tissue imaging	• Minimal fluorescence interference • Analyzing dark or colored samples • Minimizing sample degradation • Heat-sensitive samples
Working Mode	CW			
Liner Width	<0.1nm			
Polarization	Linear polarization			
Divergence Angle	<1.5mrad			
Spot Diameter	<1.2mm			
Light Spot Ellipticity	>90%			
Light Spot Quality	<1.1			
Power Stability	±2%			
External Modulation	5V TTL/5V Analogue			
Fiber Connector	SMA905，FC/PC			
Cooling Mode	Built-in TEC			
Warm Up	<15 minutes			

Dimensions (mm)



BRM-760X