

# NLM Series Dual-wavelength Narrow Linewidth Laser



## Key Features

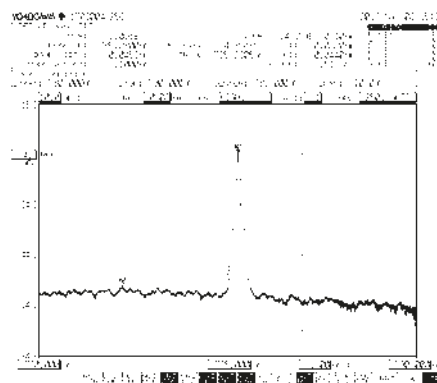
- Linewidth < 0.1nm for each wavelength
- Excellent wavelength stability  $\pm 7\text{pm}@4\text{h}$
- Constant frequency interval, support difference algorithm
- Built-in TEC, power stability  $\pm 2\%$
- Contains PC control, emergency stop button, short circuit protection functions

## Applications

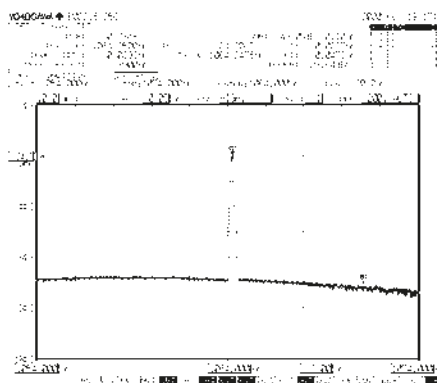
Raman spectroscopy    Bio-instrumentation

## Technical Specifications

Optical Parameters		
Center Wavelength (nm)	784/785	785/1064
Output Power (mW)	500/500	500/800
Wavelength Tolerance (nm)	$\pm 0.5$ (each wavelength)	
Linewidth, each wavelength (nm)	<0.1	
Wavelength Stability	$\pm 7 \text{ pm } @4\text{h Typ.}$	
Power Stability	$\pm 2\% @4\text{h Typ.}$	
SMSR	40dB	
System Parameters		
Adjustability % Full Power	0~100%	
Warm up Time (min)	15	
Modulation Input	Analog signal 0~5V	
Control Interface	USB, BNC	
Connector	SMA905, FC/PC	
Output Fiber	105 $\mu\text{m}$ , 0.22 NA	
Supply Voltage	+5VDC	
Power Consumption	<20W Typ.	
Storage Humidity	0~70% RH	
Storage Temperature (°C)	-10~60	
Operating Temperature (°C)	10~35	
Weight (kg)	1.2	
Dimensions (mm)	168×88×140	



785nm laser spectrum (SMSR>40dB)



1064nm laser spectrum (SMSR>40dB)

