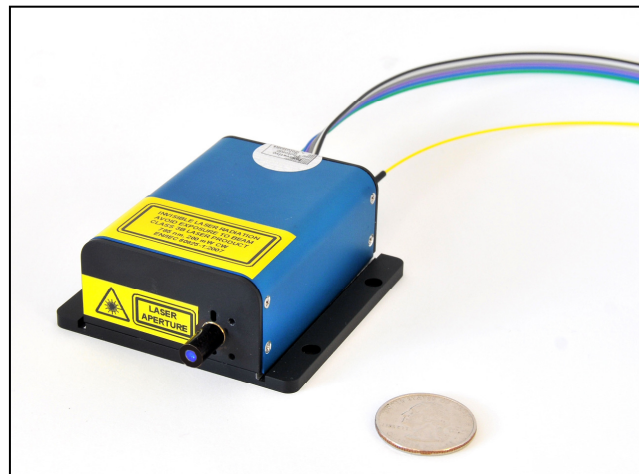


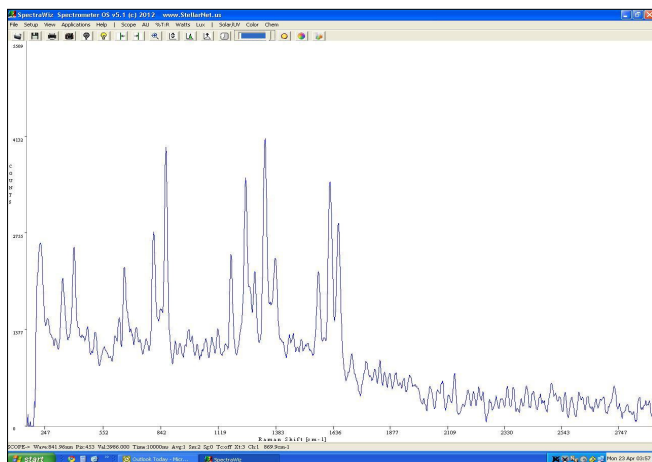
Raman Spectroscopy Accessories

➤ Portable Raman Laser-probe

- 785nm laser-probe with integrated optics
- 100mWatt laser operates on 5VDC
- Raman laser line 0.2nm FWHM
- Ruggedized case with battery power option
- FC to SMA905 fiber to spectrometer included
- 4.2mm focal distance from probe tip
- Ideal for microscope mount or small solid samples such as pills and SERS samples



Portable Raman Laser-Probe for Microscopes and OEM applications



**INVISIBLE LASER RADIATION
 AVOID EXPOSURE TO BEAM
 CLASS 3B LASER PRODUCT
 785 nm, 200 mW CW
 EN/IEC 60825-1:2007**

This laser module is designed for use as a component or replacement part and is thereby exempt from 21 CFR1040.10 and 1040.11 provisions.

← StellarNet Raman-HR spectra of acetaminophen (Tylenol)

Parameter	Unit	Min	Typ	Max	Notes
Laser Optical output power	mW	100	110		Circularized & collimated output beam with <0.7 mm dia (1.5:1 aspect ratio) and <2.5 mrad divergence
Output power stability	%		± 0.5	± 1	
Peak wavelength	nm	784.8	785	785.2	
3 dB bandwidth (FWHM)	nm		<1 MHz	0.02	
Operating Temperature Range (Case)	Deg C	10		40	Case Temperature
Polarization Extinction Ratio	dB	17	20		
Power Consumption	W		2	5	C
Wavelength Stability	Seconds			180	Cold Start - to < 1 wavenumber
				1	Warm Start - to < 1 wavenumber
				3	Warm Start - to < 0.1 wavenumber
Absolute Maximum Ratings					
Laser Module Operational Current	A			1	
Laser Module Operational Voltage	V	4.9	5	5.1	Compliance

Item	Description
	Raman Accessories for miniature fiber optic spectrometers
Raman-LaProbe	Portable Raman laser-probe for 785nm, 100mW output power, 0.2nm FWHM laser with integrated collection optics that includes FC-SMA905 fiber optic cable.

All data and statements contained herein are subject to change in accordance with StellarNet's policy of continual product improvement. Please contact us about availability of additional laser frequencies used for Raman such as 532 / 647 / 830 / 1064nm.