PORTABLE RAMAN SPECTROMETER

FEATURES

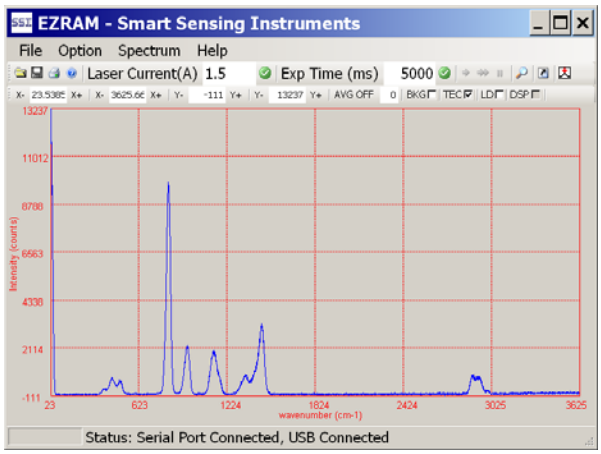
Point, Shoot, Identify with 785nm Excitation with Much Lower Fluorescence than 532nm
High Precision Laser Module
High Precision Spectrometer Module
Cooled Detector with Low Noise Detection
Flexible Probe Design
Very Shot or Long Scan Time
Narrow Linewidth Wavelength Stabilized Butterfly Laser
Battery or DC Wall Adapter Powered, On Board Charging
Field Portable, All-in-One Box, Compact and Durable
External USB Devices Supported
CSV or SPC Compatible with Third Party Software
Minimum Maintenance Required
SSI Expertise Technical Support
Affordable price ever!

SPECIFICATIONS

Operating Temperature	0C to 35C
Humidity	10%-85% non condensation
Spectral Range	150-3625 cm-1
Excitation Wavelength	785nm+/-0.5nm FWHM 0.1nm Wavelength Stabilized
Excitation Power	Adjustable, 0-350 mW Max
Spectral Resolution	Minimum 15 cm-1, Optional: high resolution w/ narrow line width laser
Exposure time	1 sec – 30 sec or Multiple Exposure to average
Storage Temperature	-20C to 45C
Collection Optics	NA = 0.22, 8mm focal length, 0.02-1.5mm spot size
Probe Length	75 – 100cm

Detector Cooling	TEC Cooled to -30 C
Dynamic Range	1300:1 at least
Power Supply (Battery Charger Supply)	+12VDC , 5A
Battery	LiPoly, Optional
Battery Charger	On board, Optional
Library	Optional
Data Export Format	*.BIN, *.CSV, *.SPC
Interface	Windows Tablet or PC
Language	English
Weight	10.5lb
Size	14in x 12.5in x 7in
* probe shape, probe color, enclosure's handle color might vary	

EZRAM SOFTWARE	
Password Protected	Background removable
Digital Filtering	Remove Cosmic Spikes
Single element library search	Find Peaks
User library build	Search in the Library
Instrument Control	Cablibration
Operating System Requirement	Windows



Sample spectrum using a regular laser, FWHM = 2nm

To Send Quotation:

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Warning: CLASS IIIb LASER PRODUCT AVOID DIRECT EXPOSURE TO BEAM