SMART SENSING INSTRUMENTS
HIGH ACCURACY RUGGED INSTRUMENTS

(978) 494-0802

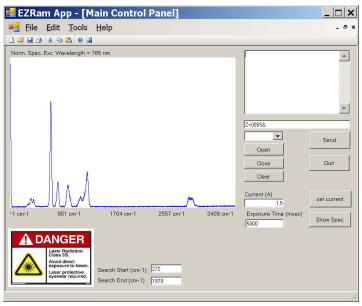
PORTABLE RAMAN SPECTROMETER

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 or Regular 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
Economic price

SPECIFICATIONS	
Operating Temperature	-10C to 40C
Humidity	10%-85% non condensation

Spectral Range	250-2880 cm-1
Excitation Wavelength	785nm+/-0.5nm FWHM 0.2nm or regular
Excitation Power	Adjustable, 0-350 mW Max
Spectral Resolution	10 cm-1
Exposure time	20 usec – 80 sec
System Measurement Accuracy	2% max
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	*.CSV, *.SPC
Interface	Windows Tablet or PC
Language	English
Weight	10lb
Size	14in x 12.5in x 7in
* probe shape, probe color, enclosure's handle color might vary	

EZRAM SOFTWARE	
Background removable	Included
Digital Filtering	Included
Single element library search	Included
Mixer library build	Included
Mixer library search	N/A
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