

SMART SENSING INSTRUMENTS
HIGH ACCURACY RUGGED INSTRUMENTS

(408) 466-7908
(978) 494-0802

RUGGED HANDHELD RAMAN SPECTROMETER



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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 Short or Long Scan Time

Whole System IP65 Rated withstand Harsh Field Conditions

Battery Powered, on Board Charging, Battery Doesn't Need to Remove During Charging.

Windows Operating System with Many Applications, e.g. Bar Code or QR Code Scanning

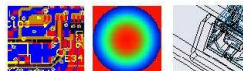
External USB Devices Supported

CSV or SPC Compatible with Third Party Software

Minimum Maintenance Required

SSI Expertise Technical Support

Affordable price



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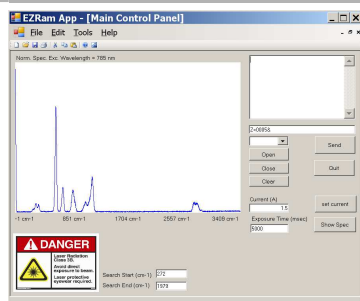
SPECIFICATIONS

Operating Temperature	-20C to 40C
Humidity	10%-85% non condensation
Spectral Range	250-2880 cm-1
Excitation Wavelength	785nm+/-0.5nm FWHM 0.2nm
Excitation Power	Adjustable, 0-350 mW Max
Spectral Resolution	7.4 cm-1 @ 905 nm
Exposure time	20 usec – 80 sec
System Measurement Accuracy	2% max
Collection Optics	NA = 0.33, 8mm focal length, 0.02-1.5mm spot size
Probe Length	75 – 100cm
Detector Cooling	TEC Cooled
Dynamic Range	1300:1 at least
Power Supply (Battery Charger Supply)	+12VDC , 5A
Battery	LiPoly, 5 Hrs minimum
Battery Charger	On board
Library	Optional
Data Export Format	*.CSV, *.SPC
Interface	7 inch Industrial Rugged Tablet
Language	English
Environmental	IP65
Weight	5 – 6 lb
Size	12in x 6.3in x 4.4in

* probe shape, probe 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



To Send Quotation:

Email: sales@smartsensinginstruments.com

Telephone: 408466-7908 or msg to 978-494-0802

Warning: CLASS IIb LASER PRODUCT AVOID DIRECT EXPOSURE TO BEAM