



# EZRAMAN-xB

LOW-COST FIELD PORTABLE RAMAN ANALYZER

The new **EZRaman-xB** field portable Raman Analyzer facilitates Raman applications with great instrumentation performance at an exceptional value. The EZRaman-xB also has the best performance-to-cost ratio of all Raman systems currently available.

The EZRaman-xB system features a 785nm frequency-stabilized diode laser; a high resolution, TEC cooled CCD spectrograph achieving  $9\text{cm}^{-1}$  averaged resolution\*; 250-2,350  $\text{cm}^{-1}$  spectral coverage; and a high Rayleigh rejection probe. The user-friendly RamanReader data collection and spectra management software simplifies spectra identifications and managements tasks.

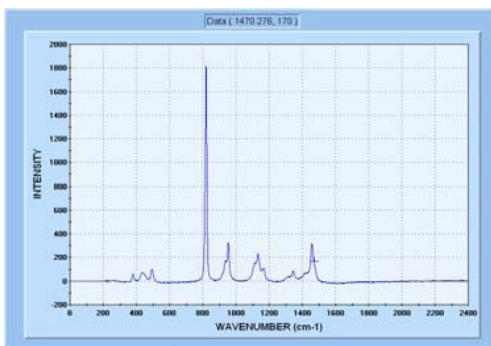
The EZRaman-xB is a powerful, compact, and robust portable Raman analyzer with the best performance to cost ratio known on the market. It is an ideal choice for any academic, research, industrial, and all other applications requiring a high performance and low cost field portable Raman system.

*\*Higher Resolution Available*

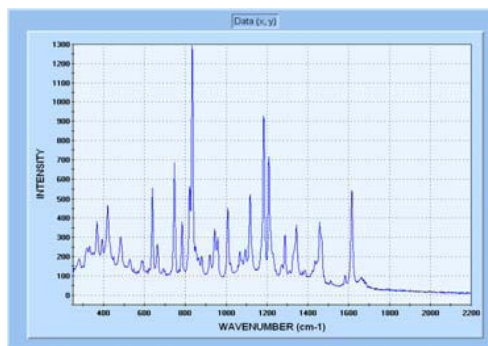


## Sample Spectra

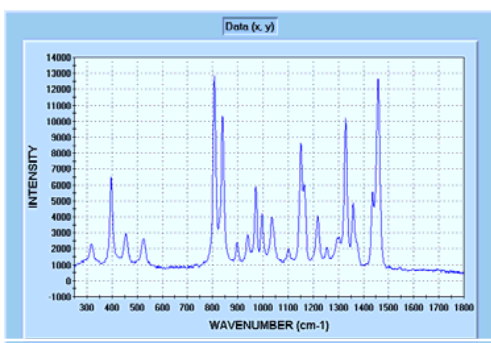
### ISOPROPYL ALCOHOL



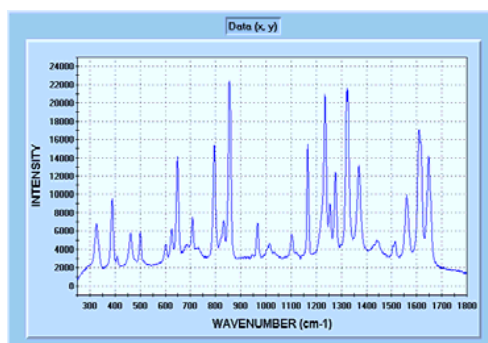
### IBUPROFEN



### POLYPROPYLENE



### TYLENOL





# FIELD PORTABLE RAMAN ANALYZER *EZRaman-xB*

## SPECIFICATIONS

EXCITATION SOURCE	785 nm Frequency Stabilized, Narrow Linewidth Diode Laser Laser Power: ~250mW at sample Continuously tunable from 0 to full power Laser shutter control
SPECTROGRAPH	Optical Resolution: Standard: ~9 cm <sup>-1</sup> (Optional Higher Resolution: 5 cm <sup>-1</sup> ) Nominal Resolution: 1.1 cm <sup>-1</sup> /pixel Spectral Range: ~ 250 cm <sup>-1</sup> to 2,350 cm <sup>-1</sup> TEC regulated Linear CCD Array Measurement Time up to 120 seconds
SYSTEM SOFTWARE	Data Acquisition and Spectra Management Software Data Files Can Be saved as .TXT, .SPC, .DAT, or .BMP Formats Direct Export/Link to GRAMS or Excel for post processing and modeling Time Chart with Stacked, Overlaid, and Single Spectrum Display Modes Time Trend and Ratio Calculate in Time Chart Mode Auto Base Line, Manual Base Line
SYSTEM OPERATING TEMPERATURE/PROTECTION	Operation temperature 10°C - 40°C, with Thermal Shutdown Protection
POWER REQUIREMENTS	90V AC to 264V AC Auto-Switched, 47Hz to 67Hz
ACCESSORIES (Optional)	Precision XYZ Microscope Stage, Liquid Sample Holder, Pre-Aligned Contact Measurement Lens Tube, Safety Goggles, GRAMS/AI, Spectral ID
SYSTEM WARRANTY	One Year for Labor and parts



Appropriate safety guidelines should be followed when operating this instrument.  
Complies with 21 CFR 1040.10 and 1040.11

*Specifications are subject to change without notice.*