

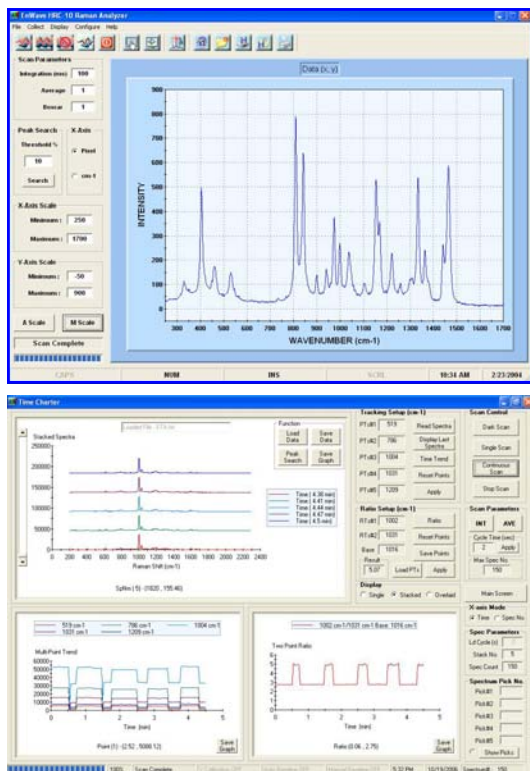
# ProRaman-W-FT WIDE-RANGE FLOW-THROUGH RAMAN ANALYZER

The new **ProRaman-W-FT Wide-Range Flow-Through Raman analyzer** is a high performance Raman instrument suitable for industrial applications or laboratory experiments requiring an affordable, high sensitivity flow-through Raman system.

The ProRaman-W-FT system features a 785 nm frequency stabilized laser, high sensitivity CCD spectrograph with the CCD cooled to  $-60^{\circ}\text{C}$  and a high throughput flow-through liquid sampling cell. The system has  $10\text{cm}^{-1}$  averaged optical resolution with spectral coverage from  $\sim 250$  to  $3,200\text{ cm}^{-1}$ .

The ProRaman-W-FT is ideal for on-line wet process monitoring for Semiconductor, Pharmaceutical, Paper and Pulp, Chemical, and Petrochemical industries.

## Sample Screen Shot



## SYSTEM FEATURES

- **The Instrument of Choice for On-line Wet Process Monitoring**
- **Highest Sensitivity Raman System Available at an Affordable Price**
- **Measures Aqueous Ions to *Single-Digit PPM* level**
- **Flow-Through Cell Configuration or Customer Specified Sampling Interface**
- **Exceptional Performance and Best**

**SPECIFICATIONS**

EXCITATION SOURCE	NIR, 785nm Frequency Stabilized, Narrow Linewidth Diode Laser Estimated Laser Lifetime: > 10,000 Hours
FLOW-THROUGH CELL	Quartz Flow Through Cell with Low Sample Volume Immersion Process Probe Option Available
CCD SPECTROGRAPH	High Sensitivity CCD Spectrograph; TEC cooled CCD camera to $-60^{\circ}\text{C}$ Optical Resolution: $\sim 10\text{ cm}^{-1}$ ( $6\text{ cm}^{-1}$ Optional) Spectral Coverage: $\sim 250\text{ cm}^{-1}$ to $3,200\text{ cm}^{-1}$
SYSTEM SOFTWARE	Data Acquisition, Chemical Process Monitoring, and Spectra Management Software Optional Symbion-RX Software for Pharmaceutical on-line process control applications (21CFR Part11 Compliant)
SYSTEM OPERATING TEMPERATURE/ PROTECTION	$10^{\circ}\text{C} - 40^{\circ}\text{C}$ With Thermal Shutdown Protection
POWER REQUIREMENTS	90V AC to 264V AC Auto-Switched, 47Hz to 67Hz
DIMENSIONS (L x W x H)" WEIGHT	17.25" x 17" x 7" $\sim 30\text{ LBS}$
SYSTEM WARRANTY	One Year for Parts and Labor

*Specifications are subject to change without notice.*



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

**Made in USA**