

PRORAMAN-W

HIGH SENSITIVITY RAMAN ANALYZER
FOR INDUSTRIAL PROCESS MONITORING

The ProRaman-W Raman analyzers are high performance Raman instruments suitable for industrial applications at laboratory or production floors requiring very high sensitivity, great linearity and repeatability, long term stability and reliability.



The ProRaman-W is ideal for on-line process monitoring and for any industrial laboratory, academic, research, and any applications that require a high-performance Raman instrument.

ProRaman-W features a high-power frequency stabilized laser, high sensitivity CCD spectrograph and a high throughput sampling interface fiber optics probe for liquid or solid samples.

Features and Benefits

- + High sensitivity Raman system for laboratory and industrial process monitoring
- + Provide the linearity, repeatability, long-term reliability, and stability, required for industrial process Raman spectroscopy monitoring
- + Best performance to price ratio in the same class of industrial grade Raman instruments
- + 21 CFR part 11 and GMP compliant to meet the requirements of pharmaceutical production line

PRORAMAN-W HIGH SENSITIVITY RAMAN ANALYZER

SPECIFICATIONS

Performance		
Excitation Laser (nm)	532	785
Laser Power (mW)	100	450
Spectral Range (cm ⁻¹)	Model B2: 250 - 3200 Model C2: 250 - 4400	Model B1: 100 - 3100 Model B2: 250 - 3200
Spectral Resolution (cm ⁻¹)	Model B2: ~5 Model C2: ~10	5 (10 optional)
Spectrograph	High Sensitivity CCD spectrograph, CCD detector cooled to -60°C. dynamic Range: 16 bits	
Fiber-Optic Probe	Option 1: HRP-8 high throughout laboratory fiber-probe, O.D. > 8 Rayleigh rejection <ul style="list-style-type: none">• working distance: 7 mm (Standard); 3 mm or 10 mm (Optional)• 5-meter jacketed fiber optics cable Option 2: Immersion reaction monitoring probe , O.D. > 8 Rayleigh rejection <ul style="list-style-type: none">• Stainless steel immersion lens tube 13" (330 mm) length 5/8" (16 mm) diameter• Pressure resistance up to 1500 psi and temperature up to 200°C• 5-meter jacketed fiber optics cable	
System Software	RamanReader Laboratory Data Acquisition and Spectra Management Software Data Files Can Be saved as .SPC, .TXT, DAT, or .BMP Direct Export/Link to GRAMS, Excel for Post Processing and Modeling Optional ProMetrics-RX Process Monitoring software and ProQT chemometrics software	
Physical		
Dimension (L x W x H)"	17.25" x 17" x 7"	17.25" x 17" x 7"
Weight	30 LBS	30 LBS
System Warranty		
One Year for Parts and Labor		

Specifi
cations
are
subjec
t to

change without notice.

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

