

PRORAMAN-L

HIGH PERFORMANCE
RAMAN ANALYZER

The ProRaman-L Series are high-performance Raman spectroscopy systems suitable for industrial applications or laboratory experiments requiring affordable, high sensitivity Raman instruments.



The ProRaman-L features a high sensitivity spectrograph with CCD cooled temperature to -60°C , and high throughput fiber optics probes. Each system includes a notebook computer preloaded with RamanReader software for operation. The excitation lasers are available at 532 nm and 785 nm.

The ProRaman-L instruments are true workhorses Raman analyzers ideal for demanding Raman analysis in academic, research, industrial laboratories and process line requiring an affordable, high performance Raman analyzer.

Features and Benefits

- + Best signal to noise characteristics of laboratory Raman instrument
- + Accurate, fast, repeatable Raman measurements
- + High sensitivity Raman system for laboratory & chemical process monitoring
- + Best performance to cost ratio high sensitivity laboratory Raman instrument.
- + Compact, reliable and easy to use.

Applications

- + Pharmaceutical
- + Chemicals, polymers
- + Biology
- + Geology, mineralogy, gemology
- + Carbon nanotubes, graphene
- + Solar cells
- + Paper & pulp

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SPECIFICATIONS

Performance			
Excitation Laser (nm)	532	785	532/785 Dual
Laser Power (mW)	50	350	532nm: 50; 785nm: 350
Spectral Range (cm ⁻¹)	Model B: 100 - 3100 Model C: 100 - 4150	Model A1: 100 - 2200 Model A2: 250 - 2350 Model B: 100 - 3300	532nm: 100 - 3100 785nm: 250 - 2350
Spectrograph	High Sensitivity CCD spectrograph, CCD detector cooled to -60°C; dynamic Range: 16 bits		
Fiber-Optic Probe	HRP-8 high throughout laboratory fiber-optic Raman probe, O.D. > 8 Rayleigh rejection; working distance: 7 mm (Standard); 3 mm or 10 mm (Optional) 1.2meter jacketed fiber optics cable (optional 5 meter)		
System Software	Data Acquisition and Spectra Management Software Data Files Can Be saved as .SPC, .TXT, DAT, or .BMP Formats Direct Export/Link to GRAMS, Symbion(Optional), Excel for Post Processing and Modeling		
Physical			
Dimension (L x W x H)"	9.5" x 7.25" x 5.25"	9.5" x 7.25" x 5.25"	19" x 14.5" x 5.25"
Weight	~ 15 LBS	~ 15 LBS	~ 30 LBS
System Warranty			
One Year for Parts and Labor			
Accessories (Optional)			
SH: Sample Holder for Measure liquid samples in vials or cuvette XYZ: Probe Holder-XYZ Precision Stage for fine adjustment of sample measurements CLT: Pre-Aligned Lens Tube for measurement on contact for solid samples ILT: Immersion Lens Tube for measurement of liquid or slurry samples HNA: High NA Lens Tube with working distance ~3mm (NA= 0.55) WD10: Lens tube working distance 10mm; NA = 0.25 MVW: μV-785 μViewer Converter SG: Safety Goggles SPID: Spectral ID for spectral search and database building Raman Library			

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

