

PolyLab Raman Plastics Analyzer

The PolyLab Plastics Analyzer is specially designed for the analysis of plastics and polymer samples in the research laboratories with various possible samples including the dark and black samples.



The PolyLab Plastics Analyzer system features a narrow linewidth frequency stabilized laser, high throughput fiber optics probe, and an optically fast (f/1.6) spectrograph with TE cooled CCD detector. This system is easy to use with powerful and user-friendly RamanReader software, while providing excellent long term reliability with minimal maintenance.

The PolyLab Plastics Analyzer system come with spectral search and identification software and plastics/polymer library of more than 100 entries.

Features and Benefits

Sensitivity

- + Improved sensitivity with high throughput (f/1.6) optical design
- + Shorter integration time give better reaction monitoring snapshots
- + Excellent fluorescence rejection

Ease of use

- + Intuitive and simple software interface
- + No or minimal sample preparation
- + Fiber optic probe enables flexible sampling configuration

Portability

- + Compact, robust, and easy to move around
- + Rugged construction for long-term stability and little maintenance

High Value

- + Laboratory performance at a low price

PolyLab RAMAN PLASTIC ANALYZER

SPECIFICATIONS

Model	EZRaman-NP-785
Excitation Laser (nm)	785
Laser Power (mW)	300
Spectral Range (cm ⁻¹)	250 - 2350
Spectral Resolution (cm ⁻¹)	~6
Spectrograph	High throughput f/1.6 CCD Spectrograph; CCD detector cooled to 30°C below ambient. dynamic Range: 16 bits
Fiber-Optic Probe	HRP-8 high throughput laboratory fiber-optic Raman probe, O.D. > 8 Rayleigh rejection. Standard lens tube working distance: 7 mm (Standard); Contact measurement lens tube (Standard)
System Software	Data Acquisition and Spectra Management Software Data Files Can Be saved as .SPC, .TXT, DAT, or .BMP Formats. Direct Export/Link to Spectral ID.
Operating Temperature	10°C - 40°C
Physical	
Dimension (L x W x H)"	11.25" x 8.6" x 7"
Weight	22.5lb
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	
MVW: μV-785 μViewer microscope converter	
SG: Safety Goggles	

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

