

# PolyLab Plastics Analyzer

The PolyLab Plastics Analyzer is specially designed for the analysis of plastics and polymer samples at the recycling or production facilities, in the research laboratories with various possible plastic samples including the dark and black samples.



The PolyLab Plastics Analyzer system features a high sensitivity spectral detector that provide faster measurement results compare to the Polymax. This system is easy to use with user-friendly PolyLab ID software, while providing excellent long-term reliability with minimal maintenance.

The PolyLab Plastics Analyzer system comes with PolyLab ID spectral search and identification software and plastics/polymer library of more than 145 entries.

## **Features and Benefits**

- + Improved sensitivity with high throughput optical design
- + Intuitive and simple software interface
- + No or minimal sample preparation
- + Fiber optic probe enables flexible sampling configuration
- + Rugged construction for long-term stability and little maintenance

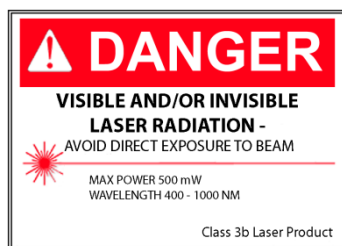
## PolyLab PLASTIC ANALYZER

### SPECIFICATIONS

Model	PolyLab
Excitation Laser (nm)	785
Laser Power (mW)	300
Spectral Range (cm <sup>-1</sup> )	250 - 2350
Spectral Resolution (cm <sup>-1</sup> )	~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
<b>Physical</b>	
Dimension (L x W x H)"	11.25" x 8.6" x 7"
Weight	22.5lb
<b>System Warranty</b>	
One Year for Parts and Labor	
<b>Accessories (Optional)</b>	
SH: Sample Holder for Measure liquid samples in vials or cuvette XYZ: Probe Holder-XYZ Precision Stage for fine adjustment of sample measurements MVW: $\mu$ V-785 $\mu$ Viewer 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





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