



Electro Optical Components, Inc.

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Fiber Optic Reflection Probes



FlexiSpec®

art photonics' **FlexiSpec® Reflection Probes** provide exceptional sensitivity and reduce any unwanted signal interference with their special angled optics. Available in customized designs for different industrial applications, these probes enable fast and precise measurements of various media, providing reliable and accurate results every time.

Applications:

- Measuring diffuse and specular reflectance
- Backscatter and fluorescence measurements
- Quality control and process monitoring in manufacturing
- Non-destructive testing and inspection in materials science



- High performance probe with minimal stray light due to its special angled optics
- Sapphire window protects optical fibers from external harsh conditions
- Probe available in different configurations for best performance with FTIR/Diffraction Grating spectrometers.
- Versatile tool for a range of applications



- Special design for measurements inside of hot melt extruders
- Shaft-in-Shaft design allows for quick and easy replacement of the focusing optics, making it ideal for process monitoring and quality control applications
- Able to withstand high temperatures and pressures of the extruding process
- Reliable choice for the industrial applications



- The Diffuse Reflectance Probe: versatile tool for process monitoring of liquids and powders in the VIS-NIR range
- Unique optical design: 0% stray light for more accurate measurements and is also available in a side-view version
- Robust and reliable: protective sapphire window can withstand harsh process conditions (customizable to high-temperature design with possible window cleaning)



- The Reflection Probe with Purging/Rinsing System: an industrial-grade probe designed for various applications
- Built-in nozzle provides pressurized flushing of the window, ensuring reliable and accurate measurements
- Probe is suitable for harsh industrial environments and can be used for process monitoring and quality control applications