

Extreme Solarization-Resistant Reflection/Backscatter Probe

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⊖ 1 ⊕ S\$3,232⁰⁰

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General

QR450-7-XSR **Model Number:**

Extreme Solarization-Resistant
Reflection/Backscatter Probe **Title:**

Physical & Mechanical Properties

450 **Core Diameter (µm):**

Silicone Monocoil **Jacket Material:**

16 **Long Term Bend Radius (cm):**

8 **Short Term Bend Radius (cm):**

Optical Properties

180 - 900 **Wavelength Range (nm):**

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
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Reach 250:
[Compliant](#)

Product Details

- Versatile Sampling for Diffuse/Specular Reflectance, Backscatter & Fluorescence
- Various Wavelength and Environmental Durability Models
- Extreme Solarization-Resistant (XSR) Probe Features Ultra-Low Loss Fiber for Harsh UV Exposure
- Connects Directly with Ocean Optics Spectrometers & Accessories

Ocean Optics Reflection/Backscatter Probes are compact, fiber-coupled sampling tools for measuring diffuse and specular reflectance, backscatter, or fluorescence in solids, solutions, or powders, and connect directly with [Ocean Optics Spectrometers and Accessories](#). They provide quantitative insights into a sample's color, appearance, and chemical composition. Choose from Visible-NIR, Solarization-Resistant, or XSR models for applications ranging from routine reflectance to demanding UV measurements. With durable jacketing, precision ferrules, and solarization-resistant fiber, the rugged design ensures reliable performance even in harsh conditions. Ocean Optics Reflection/Backscatter Probes can be optimized for UV applications, with the XSR probe featuring ultra-low loss fiber designed to withstand harsh UV exposure.

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