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Extreme Solarization-Resistant Reflection/Backscatter Probe

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General

Model Number:
QR450-7-XSR

Title:
Extreme Solarization-Resistant Reflection/Backscatter Probe

Physical & Mechanical Properties

Core Diameter (µm):
450

Jacket Material:
Silicone Monocoil

Long Term Bend Radius (cm):
16

Short Term Bend Radius (cm):
8

Optical Properties

Wavelength Range (nm):
180 - 900

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

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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