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Fibers and Probes

Ocean Insight optical fiber assemblies, probes and accessories collect and direct light in spectrometer setups.

41 Products

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Optical Fibers

Patch Cords, Bifurcations and Optical Fiber Assemblies

PATCH CORDS

Patch cords are silica-core and silica-clad fibers optimized for the UV-Vis (300-1100 nm) or Vis-NIR (400-2100 nm) wavelength ranges. Solarization-resistant fibers are available for UV applications.





Extreme Solarization Resistant Fibers >

Extreme Solarization Resistant Optical Fibers

From \$168.00



Solarization Resistant Fibers >

Solarization Resistant Fibers

From \$141.00



UV-Visible Fibers >

UV-Visible Fibers

From \$123.00





Visible-NIR Fibers >

Visible-NIR Fibers

From \$119.00



Single Mode Fibers >

Single Mode Fibers

From \$141.00

BIFURCATED OPTICAL FIBERS

Bifurcated fibers have two fibers side-by-side in the common end and break out into two legs at the other end. Fibers are available with varying attenuation response, core diameters and assembly lengths.



UV-Visible Bifurcated Fibers >

UV-Visible Bifurcated Fibers

From \$352.00



Visible-NIR Bifurcated Fibers >

Visible-NIR Bifurcated Fibers

From \$352.00

IMAGE
COMING
SOON

Mixed UV-Visible & Visible-NIR Bifurcated Fibers >

Mixed UV-Visible & Visible-NIR Bifurcated Fibers

From \$387.00

FIBER SPLITTERS

Splitters comprise three fibers epoxied at the nexus of a Y-shaped assembly and have lower transmission efficiency than bifurcated assemblies. UV-Vis and Vis-NIR versions are available.



[UV-Visible Fiber Splitters >](#)

UV-Visible Fiber Splitter

From \$699.00



Visible-NIR Fiber Splitters >

Visible-NIR Fiber Splitters

From \$699.00

LIBS FIBER BUNDLES

Specialized fiber assemblies are available for folks configuring modular LIBS systems. Each bundle comprises 3-8 fibers, depending on the number of spectrometer channels comprising your LIBS setup.

IMAGE
COMING
SOON

LIBS Fiber Bundles >

LIBS Fiber Bundles

From \$680.00

FIBER ACCESSORIES

Optical fiber accessories are useful tools for positioning optical fibers for best performance in your setups. Choose from connectors, splice bushings, and fixtures for mounting and routing fibers.



Fiber Connectors and Accessories >

Fiber Connectors and Accessories

From \$13.00



Inline Fiber Accessories >

Inline Fiber Accessories

From \$141.00

**IMAGE
COMING
SOON**

Fiber Optic Multiplexer >

Fiber Optic Multiplexer

From \$8,196.00

VACUUM FEEDTHROUGHS

Vacuum Feedthroughs

Extreme Solarization Resistant VFTs >

Extreme Solarization Resistant Vacuum Feedthroughs

From \$646.00

Solarization Resistant VFTs >



Solarization Resistant Vacuum Feedthroughs

From \$627.00

UV-Visible VFTs >

UV-Visible Vacuum Feedthroughs

From \$598.00

UV-Visible Fibers for VFTs >

UV-Visible Fibers for Vacuum Feedthroughs

From \$157.00

Visible-NIR VFTs >

Visible-NIR Vacuum Feedthroughs

From \$598.00

Visible-NIR Fibers for VFTs >

Visible-NIR Fibers for Vacuum Feedthroughs

From \$157.00

FIBER KITS AND ACCESSORIES

If you're a do-it-yourself type, fiber kits and accessories include all the components you'll need to assemble, terminate and polish your own optical fiber assemblies.





Fiber Polishing Papers >

Fiber Polishing Papers

From \$22.00

**IMAGE
COMING
SOON**

Fiber Cleaner >

Single-Slot Reel Cleaner for Fibers



From \$51.00



SMA 905 Fiber Connectors >

SMA 905 Connectors

From \$201.00

Fiber Optic Probes

Absorbance, Backscattering, Transmission

REFLECTION/BACKSCATTER PROBES

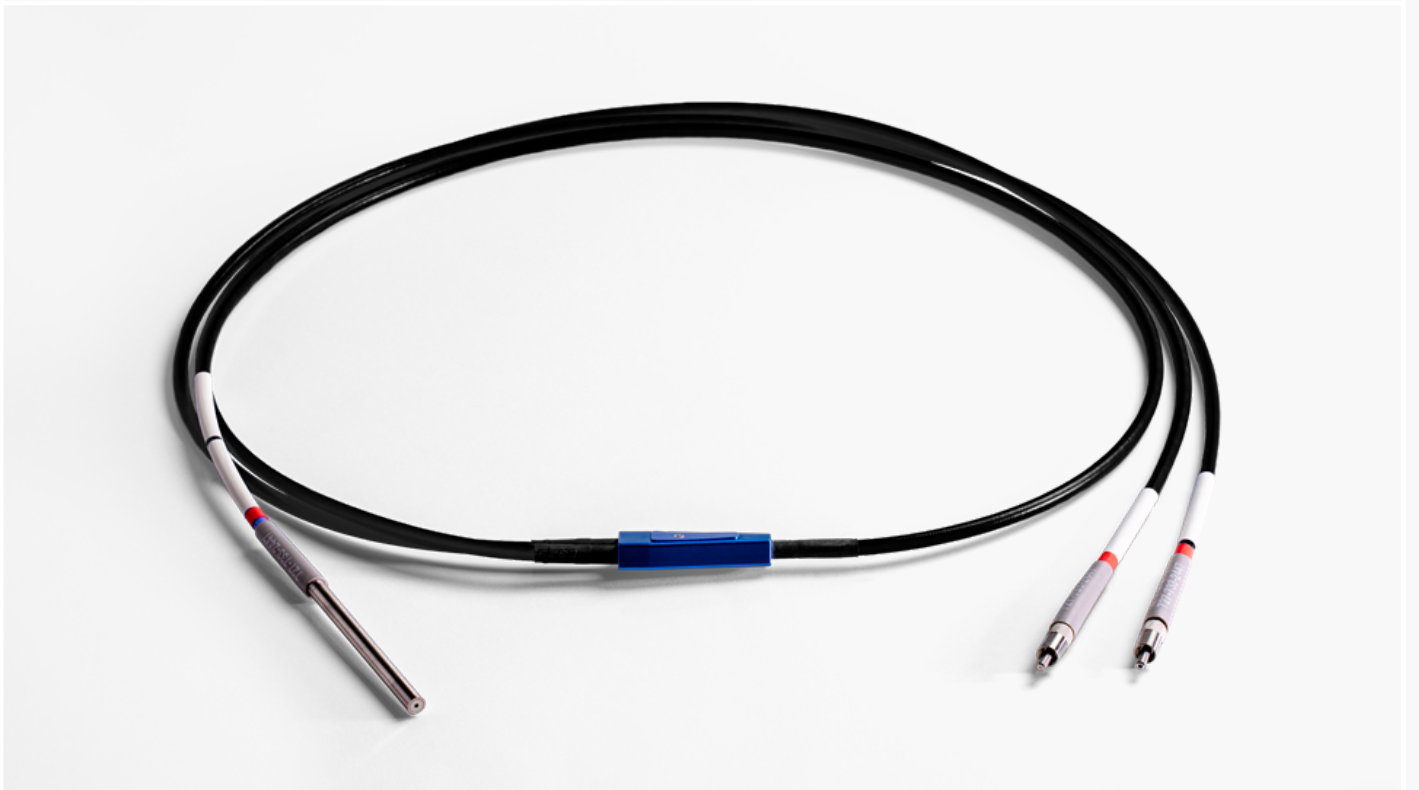
Reflection/backscatter probes couple to Ocean Insight spectrometers and accessories to measure reflection and fluorescence from solid surfaces or backscattering and fluorescence in liquids and powders.



Extreme Solarization Resistant Reflection/Backscatter Probes >

Extreme Solarization Resistant Reflection/Backscatter Probes

From \$837.00



Solarization Resistant Reflection/Backscatter Probes >

Solarization Resistant Reflection/Backscatter Probes

From \$599.00



UV-Visible Reflection/Backscatter Probes >

UV-Visible Reflection/Backscatter Probes

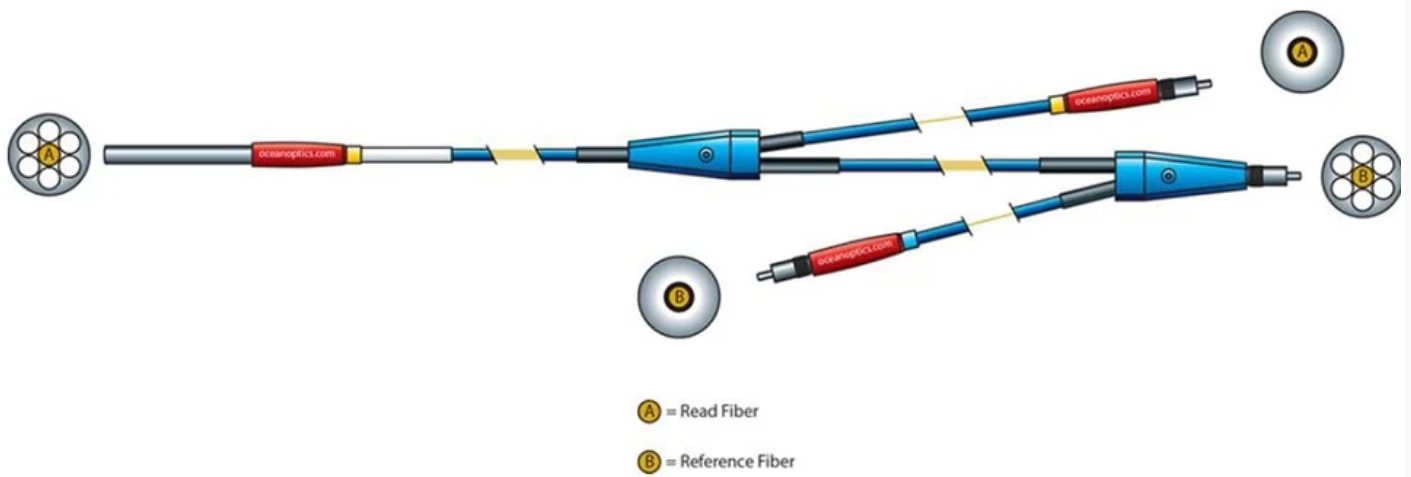
From \$559.00



Visible-NIR Reflection/Backscatter Probes >

Visible-NIR Reflection/Backscatter Probes

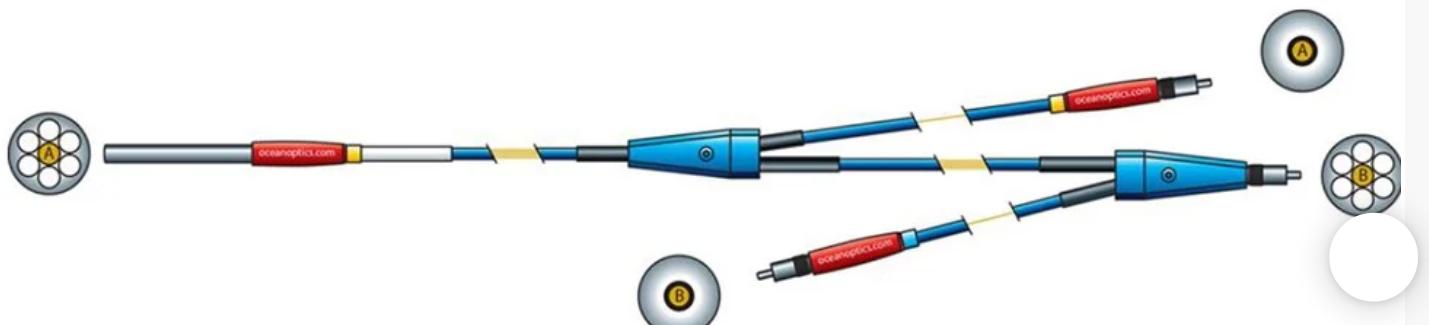
From \$559.00



UV-Visible Reflection Probes with Reference Leg >

UV-Visible Reflection Probes with Reference Leg

From \$769.00





A = Read Fiber

B = Reference Fiber

Visible-NIR Reflection Probes with Reference Leg >

Visible-NIR Reflection Probes with Reference Leg

From \$769.00

**IMAGE
COMING
SOON**

Mixed UV-Vis & Vis-NIR Reflection/Backscatter Probes >

Mixed UV-Vis & Vis-NIR Reflection/Backscatter Probes

From \$1,047.00





Angled UV-Visible Reflection/Backscatter Probes >

Angled UV-Visible Reflection/Backscatter Probes

From \$699.00



Angled Visible-NIR Reflection/Backscatter Probes >

Angled Visible-NIR Reflection/Backscatter Probes

From \$699.00





Integrated Light Source Reflection/Backscatter Probes >

Integrated Light Source Diffuse Reflectance Probe

From \$1,802.00

RAMAN PROBES

Raman probes provide optimum signal collection with effective filtering of the excitation laser wavelength. Probes are available for 532 nm, 785 nm and custom wavelengths and are used in lab and process environments.



General Purpose Raman Probes >

General Purpose Raman Probes

From \$3,388.00

IMAGE



COMING SOON

Immersion Raman Probes >

Immersion Raman Probes

From \$8,210.00

TRANSMISSION DIP PROBES

Transmission dip probes connect to spectrometers and light sources to measure absorbance in solutions. Probes are available for the lab and can be embedded into process streams for real-time sample monitoring.

IMAGE COMING SOON

General Purpose Transmission Dip Probes >

General purpose Transmission Dip Probes



From \$1,048.00

**IMAGE
COMING
SOON**

Harsh Environment Transmission Dip Probes >

Harsh Environment Transmission Dip Probes

From \$1,048.00

**IMAGE
COMING
SOON**



Ruggedized Transmission Dip Probes >

Ruggedized Transmission Dip Probes

From \$1,813.00

FIBER OPTIC PROBE ACCESSORIES

Probe accessories range from fixtures and mounts for positioning reflection probes in spectrometer setups, to spare tips and sleeves for transmission probes. Additional probe tips allow user to adjust pathlength.



Reflection Probe Holders >

Reflection Probe Holders

From \$129.00



Transmission Dip Probe Sleeves >

Transmission Dip Probe Sleeves

From \$353.00



Transmission Dip Probe Tips >

Transmission Dip Probe Tips