



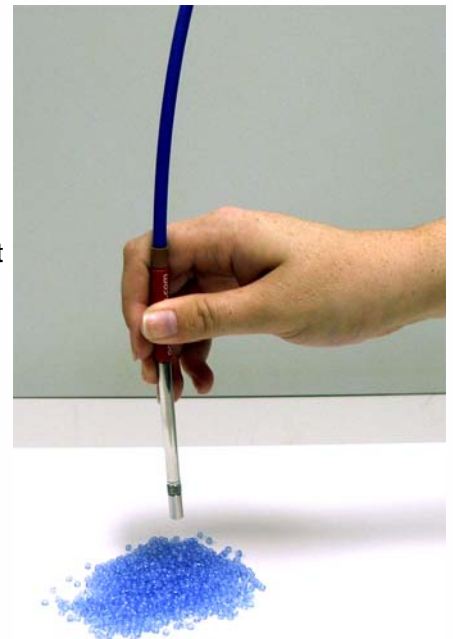
ocean optics product points

QF600-8-VIS/NIR Fiber Fluorescence Probe



Novel Design Maximizes Fluorescence Signal

The F600 Fiber Optic Fluorescence Probe has a unique optical design that allows users to control the depth of sampling and to optimize the region of overlap between excitation and emission fibers. The probe uses 1 flat fiber for detection and 7 angled fibers that direct excitation energy to the region in front of the detection fiber. An adjustable window facilitates choosing the depth of overlap.

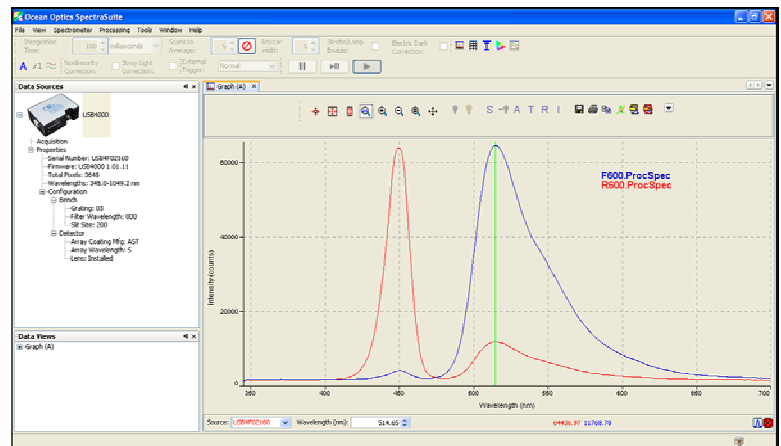


The probe works with liquids or solids.

Custom options are available. Select different fiber wavelength range options or solarization-resistant fiber, as well as different connectors and jacketing. Custom length probes are also available.

Specifications

Fiber profile:	Step-index multimode
Fiber core:	Low OH silica
Fiber cladding:	Doped silica
Fiber buffer:	Polyimide
Fiber assembly jacketing:	Silicone monocoil
Fiber diameter:	600 μm
Fiber assembly length:	2.0 meters (+/- 5%)
Fiber bundle:	7 angle polished fibers around 1 flat polished
Operating temperature:	-50 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (fiber assembly); -50 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$
Numerical aperture:	0.22 +/-0.02 (before angle polishing)
Wavelength range:	VIS/NIR (400-900 nm)
Probe ferrule:	1/4" OD x 3.0" Stainless Steel with adjustable BK7 glass window
Connectors:	Premium SMA 905



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