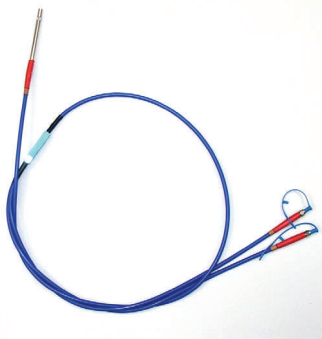




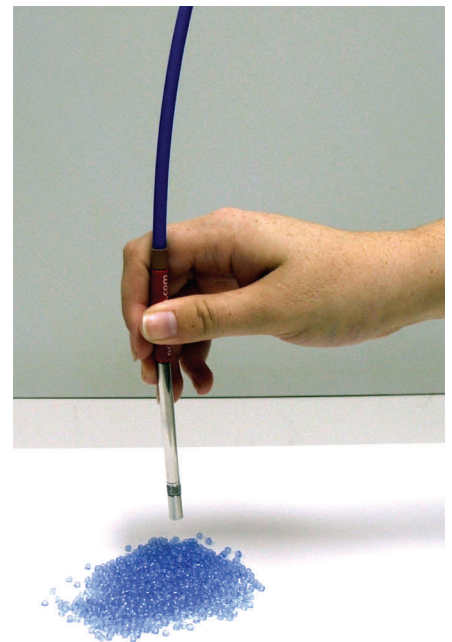
# ocean optics product points

## QF600-8-VIS/NIR Fiber Fluorescence Probe



### Novel Design Maximizes Fluorescence Signal

The QF600-8-VIS/NIR 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.

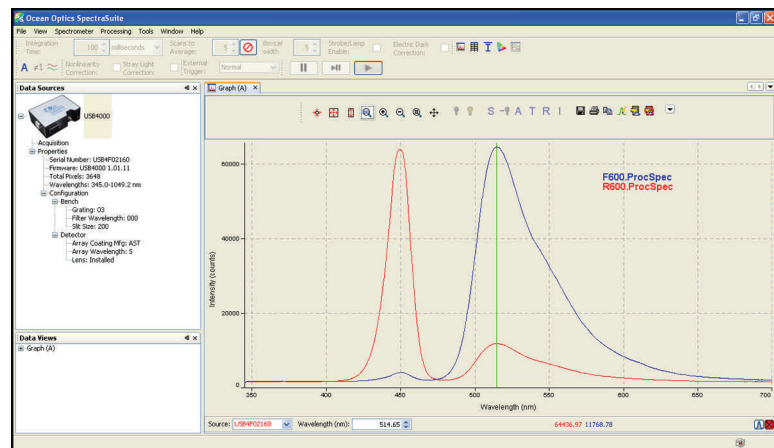


The probe works with liquids or solids.

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 $\mu\text{m}$
Fiber assembly length:	2.0 meters (+/- 5%)
Fiber bundle:	7 angled polished fibers around 1 flat polished fiber
Operating temperature:	-50 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (fiber assembly); -50 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$ (probe tip)
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



Spectral Analysis of Fluorescein

