

Process Flow Cells

Fluorescence Process Flow Cells

The PRO-FC-FL+TR Fluorescence Flow Cell is an adjustable-pathlength fluorescence flow cell that can be used for fluorescence and transmission measurements in a variety of industrial online flow analysis applications. The PRO-FC-FL+TR can be configured with Optical Interface Couplers (three OICs included) at 90° for fluorescence applications. Add a third OIC at 180° to make transmission and fluorescence measurements simultaneously. The cell's pathlength can easily be adjusted from 0.5-15.0 mm.



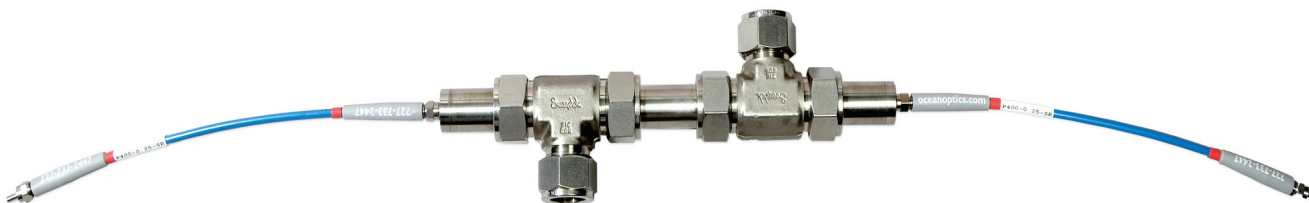
End-of-Column Process Flow Cells

The Biotech End-of-Column Flow Cell is an adjustable-pathlength flow cell for optical measurements in a variety of industrial online flow analysis applications. The stainless steel PRO-FC-BIO is a Titanium cell body that features an electropolished (RA 12 or better) interior and two fiber-lensed Optical Interface Couplers (included). OICs and sample inlet/outlet are secured in the cell body with standard Upchurch fittings. The cell's pathlength can easily be adjusted from 0.02-10.0 mm.



Long Pathlength Process Flow Cells

The PRO-FC-LP Long Pathlength Process Flow Cell can be used in a variety of online flow analysis applications when longer pathlengths are required. The PRO-FC-LP is available in pathlengths from 50-500 mm. Contact an Applications Scientist for detailed ordering information. Two Optical Interface Couplers (included) collimate light and easily connect fiber optic cables to the flow cell, spectrometer and light source.



Specifications

	PRO-FC-LP	PRO-FC-FL+TR	PRO-FC-BIO
Pathlength:	50-500 mm	0.5-15.0 mm	0.02-10.0 mm
Body & barrel material:	316 stainless steel (Hastelloy C, Titanium and Monel available)	316 stainless steel (Hastelloy C, Titanium and Monel available)	316 stainless steel (Hastelloy C, Titanium and Monel available)
Sample inlet/outlet:	3/4" compression fittings	1/2" compression fittings	1/8" Upchurch compression fittings
Window materials:	Quartz (Sapphire available)	Quartz (Sapphire available)	Quartz (Sapphire available)
Seals:	Viton (Chemraz, Kalrez, TFE, Buna-N available)	Viton (Chemraz, Kalrez, TFE, Buna-N available)	Viton (Chemraz, Kalrez, TFE, Buna-N available)
Temperature limit:	400 °F, 205 °C	400 °F, 205 °C	200 °F, 93 °C
Pressure limit:	2500 psig	2500 psig	250 psig
Fiber connections:	SMA 905	SMA 905	SMA 905
Wavelength range:	UV-NIR	UV-NIR	UV-NIR

