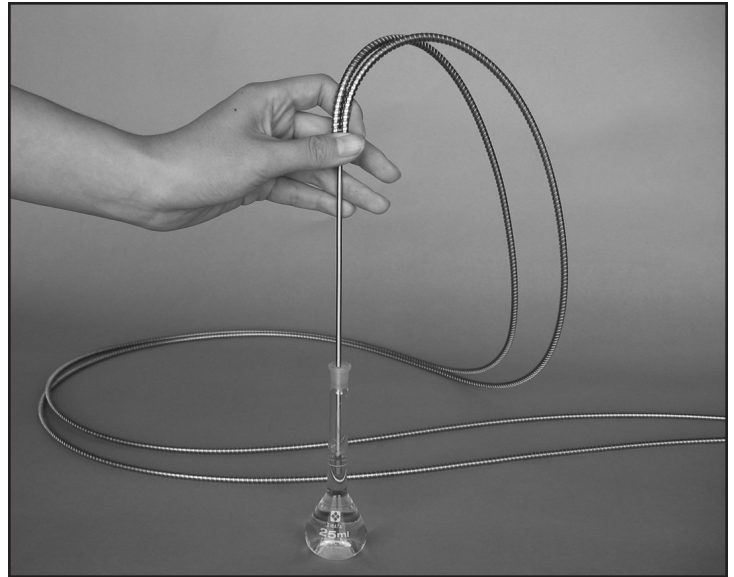


FPX-200

Small Diameter Transmission Probes



FPX-200 Transmission Probes provide the benefits of high performance spectroscopic analysis in the small diameters needed for many small scale reaction development, survey, and in-line monitoring applications.

To minimize diameter, these probes employ a “transflectance” design in which the optical radiation makes two passes through the same probe gap. As a result, they are best used with clear, free-flowing liquids.

FPX-200 probes are impervious to attack by most aggressive chemical systems. This is made possible by the use of Grafoil® seals captured

in an electron-beam welded 316 stainless steel structure.¹ In addition, the use of relatively large core (0.5 mm) optical fibers makes it practical to multiplex several probes to a single spectrometer.

For more information, or to discuss your specific application, please do not hesitate to contact us at 1-800-goaxiom or visit us on the web at www.goaxiom.com.

References

1. U.S. Patent No. 6,587,195

Features

- Designed for micro-scale reaction monitoring
- Withstands highly aggressive chemicals
- Compatible with efficient multiplexing
- Suitable for high temperature and pressure operation

Specifications

Model Designation:	FPX-200R-xx		
Body Diameter:	1/4"	Wetted Metals:	316 Stainless Steel (Hastelloy C-276 optional)
Window Seal Type:	Grafoil® in welded structure	Maximum Temperature:	240°C
Spectral Range:	R = N (400 – 2200 nm) R = U (200 – 1000 nm)	Maximum Pressure:	100 bar
Optical Pathlengths:	xx = 02 (2mm) xx = 04 (4mm)	Immersion Length (standard):	15 cm
Sample Gap:	1/2 of Pathlength	Fiber Connections:	1.5 meter attached fibers with male SMA-905 connectors
Window Material:	R = N : Sapphire R = U : UV Fused Silica	Fiber Core Diameter:	0.5 mm