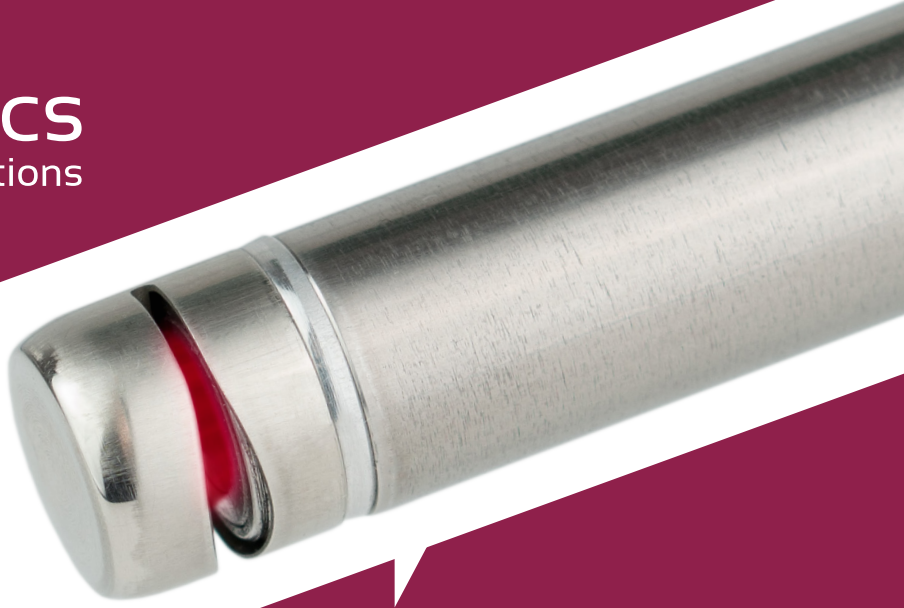
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broad spectra fiber solutions

FlexiSpec®

Fiber Optic TransFlex Probe



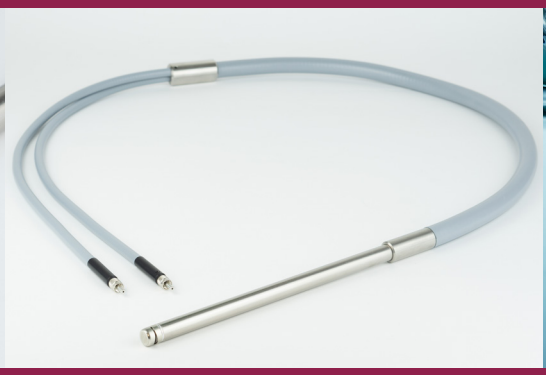
On-line transmission spectroscopy in liquids at long distance

High throughput in any part of UV -VIS and VIS-NIR spectra

Flexible and robust for industrial applications in harsh environment

Compatible with all fiber optic spectrometers







FlexiSpec® product line includes the latest generation of TransFlex (dual pass) fiber optic probes to be used with any fiber optic spectrometer or photometer.

FlexiSpec® Dual Pass fiber optic probes are compatible with process-interfaces to be cleanable and to enable reaction monitoring in lab, pilot plant and run full automated process control.

Applications:

- ✔ Reaction monitoring in real time
- ✔ Process Analytical Technologies (PAT)
- ✔ Crystallization Development & Screening
- ✔ Analytical Characterization
- ✔ Biopharmaceutical Analysis
- ✔ Biofuel Development & Production

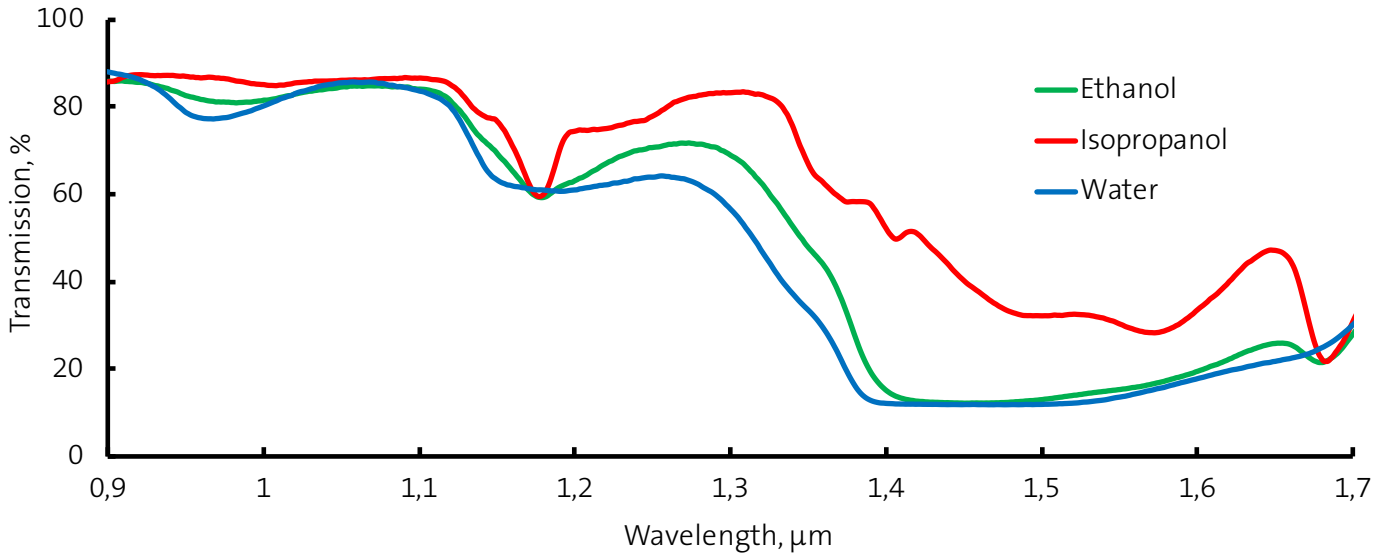
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Fiber Optic TransFlex Probe

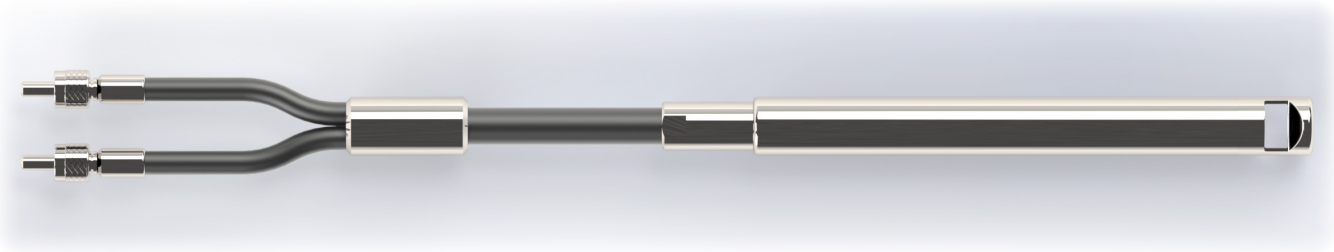
Transmission spectra of different samples



Specification of Fiber Optic Transflection Probes FlexiSpec®		
Fiber type	Silica UV-VIS	Silica VIS-NIR
Operating spectral range	0.2 - 1.3 µm	0.4 - 2.2 µm
Gap (optical path)	2; 5; 10 mm (4; 10; 20 mm)	
Temperature range	≤ 200°C	
Minimum bending radius	120 mm (for 600 µm core fiber)	

Common Parameters of Fiber Optic Transflection Probes FlexiSpec®	
Total length	2.0 m (opt. 1 – 30 m)
Shaft length	200 mm (opt. 50 – 500 mm)
Shaft diameter	12 mm
Shaft material	Stainless steel, Hastelloy C22
Protective tube material	Liquide Tight SST-Conduit, KOPEX-Tube
Input / Output connectors	SMA; FC/PC; ST





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