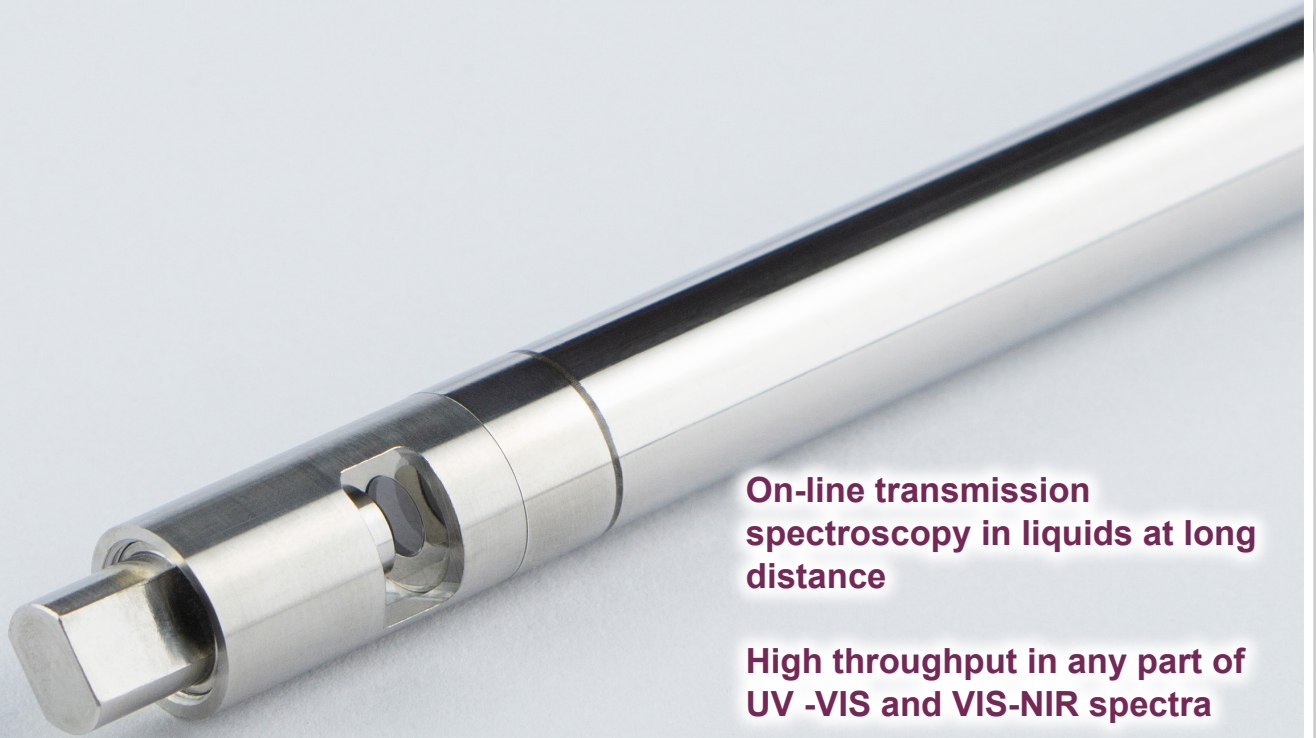


Fiber Optic Transflection Probe

FlexiSpec®



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

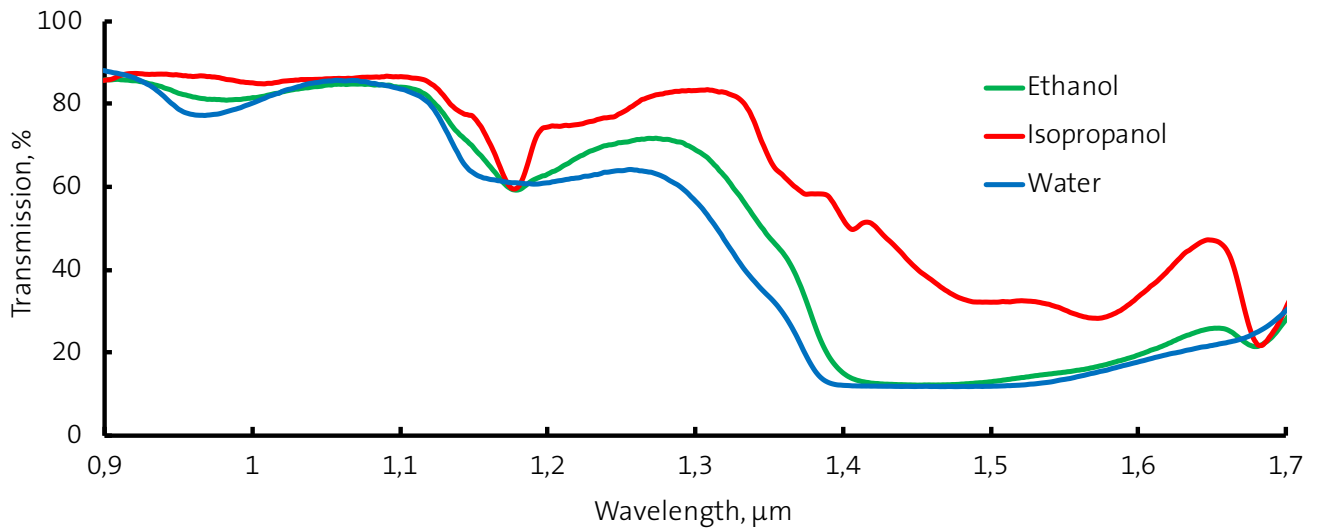
FlexiSpec® product line includes the latest generation of Transflection (dual pass) fiber optic probes to be used with any fiber optic spectrometer or photometer.

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

Transmission spectra of different samples

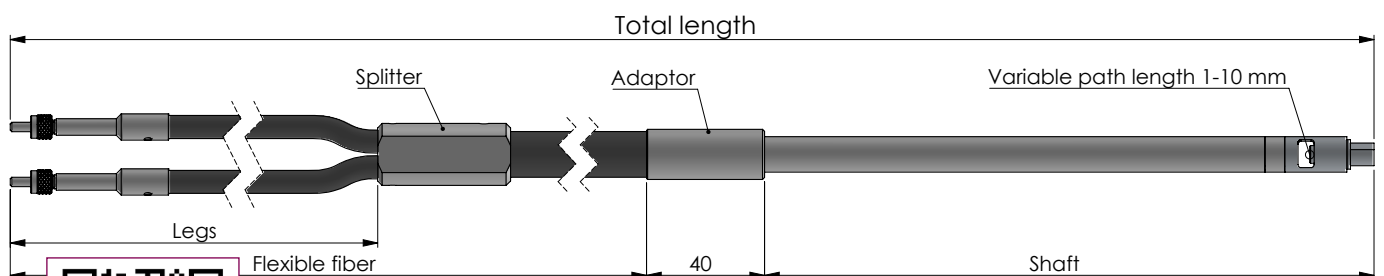


Specification of Fiber Optic Transfection Probes FlexiSpec®

Fiber type	Silica UV-VIS	Silica VIS-NIR
Operating spectral range	0.2 - 1.3 μm	0.4 - 2.2 μm
Gap (optical path)	Variable (0 - 10 mm)	
Temperature range	$\leq 200^\circ\text{C}$	
Minimum bending radius	120 mm (for 600 μm core fiber)	

Common Parameters of Fiber Optic Transfection 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	Liquid Tight SST-Conduit, KOPEX-Tube	
Input / Output Connectors	SMA; FC/PC; ST	



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