

Transflection Probe for Industrial Applications

FlexiSpec[®]

On-line transmission spectroscopy at long distance in wide range of liquids from clear to poorly transparent

High throughput in any part of UV –Vis or Vis – NIR spectra

Flexible and robust for industrial applications in harsh environment

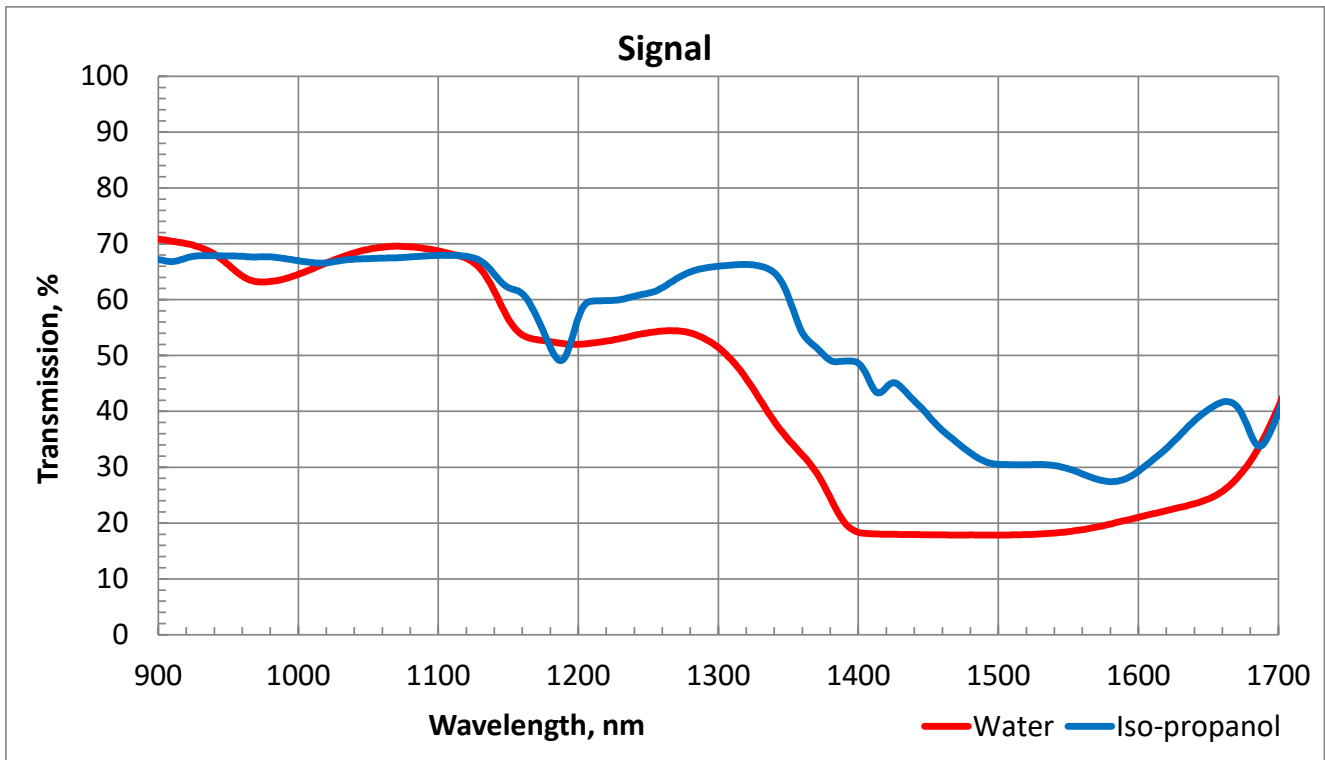
Compatible with all spectrometers



Hastelloy C22 shaft is suitable for work in harsh industrial environment. Sapphire windows and a number of heads with variable optical path length allow to use Transflection Probe in wide range of liquids and concentrations. Sapphire optics provides chemical resistance and low level of corrosion and abrasion.

Applications:

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



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	from -100°C to +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. 100 - 500 mm)
Shaft Diameter	25,4 mm
Shaft Material	Stainless steel, Hastelloy C22
Protective Tube Material	Liquide Tight SST-Conduit, KOPEX-Tube
Input / Output Connectors	Long SMA; FC/PC; ST
Flange	Any flange type, GTAW welding

