

3A-certified Hygienic Design Transflection Probe for Food and Pharma Industrie



the probe on the picture is developed for tec5USA

- measurements with the highest hygienic requirements in the pharmaceutical and food industries
- high-quality materials, including sapphire optics
- on-line transmission spectroscopy in wide range of liquids (from transparent to poorly transparent)
- high throughput across the entire UV-Vis or Vis-NIR spectra
- compatibility with all NIR and UV-Vis spectrometers

Applications:

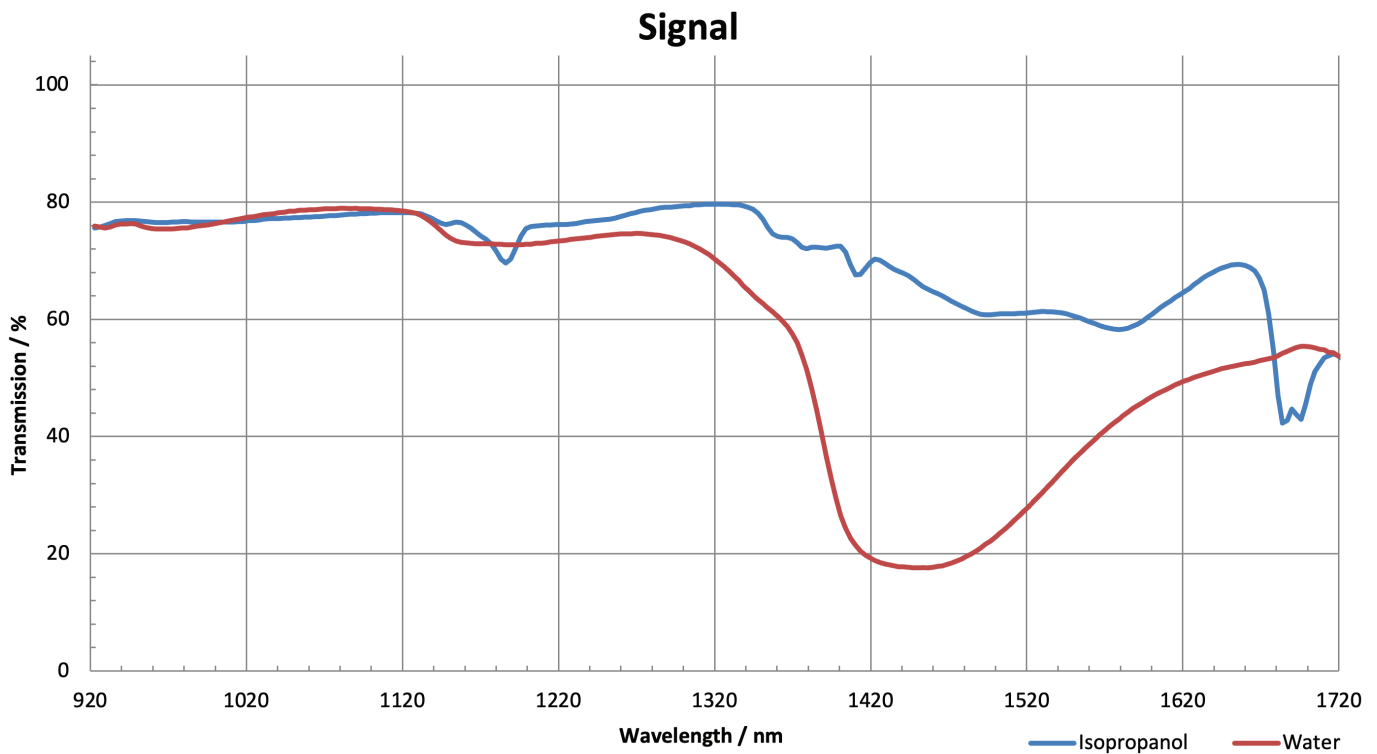
- Pharma, food and beverage industries
- Biopharmaceutical analysis
- Measurements in pipelines and reactors



broad spectra fiber solutions

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3A-certified Hygienic Transflection Probe



artphotonics is ready to develop 3A-certified Transflection probes for you upon request with the following specifications:

Specification of Fiber Optic Transflection Probes FlexiSpec®		
Fiber type	Silica UV-VIS 600/660 µm	Silica VIS-NIR 600/660 µm
Operating spectral range	0.2 - 1.3 µm	0.4 - 2.2 µm
Gap (optical path)	0.5 mm (1 mm) standard; 2; 5; 10 mm (4; 10; 20 mm) on request	
Numerical aperture	0.22	
Temperature range	from +5°C to +200°C	
Immersion depth	17 mm; others on request	
Total length	2.0 m (opt. 1- 30.0m)	
Shaft length	21 mm	
Shaft diameter	20 mm	
Shaft material	electro polished stainless steel 316L	
Sealing technology	gold soldered (Au-Sn)	
Protective tube material	hygienic food grade conduit and fittings	
Input / Output connectors	SMA	
Flange	tri-clamp fitting	



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QAS Int. - zertifiziert
DIN EN ISO 9001:2015
Zertifikat Nr. A1887GER



ISSUE DATE: July 23, 2024

CERTIFICATE AUTHORIZATION NUMBER: 4019



THIS IS TO CERTIFY THAT

art photonics GmbH

Rudower Chaussee 46, Berlin 12489 , Germany

is hereby authorized to continue to apply the
3-A Symbol to the models of equipment, conforming to 3-A Sanitary Standards for:

Number 46-04
46-04 (Refractometers and Energy-Absorbing Optical Sensors)

set forth below

CIP Models: Optical Probes; HD-TF-xx/xx-xx/xx-xx and HD-RS-xx/xx-xx. Optional cable accessory; HD-C-xx/xx-xx. x denotes unrelated codes.

VALID THROUGH: **December 31, 2025**

The issuance of this authorization for the use of the 3-A Symbol is based upon the voluntary certification, by the applicant for it, that the equipment listed above complies fully with the 3-A Sanitary Standard(s) designated. Legal responsibility for compliance is solely that of the holder of this Certificate of Authorization, and 3-A Sanitary Standards, Inc. does not warrant that the holder of an authorization at all times complies with the provisions of the said 3-A Sanitary Standards. This in no way affects the responsibility of 3-A Sanitary Standards, Inc. to take appropriate action in such cases in which evidence of nonconformance has been established.

NEXT TPV INSPECTION/REPORT DUE: **July 2029**