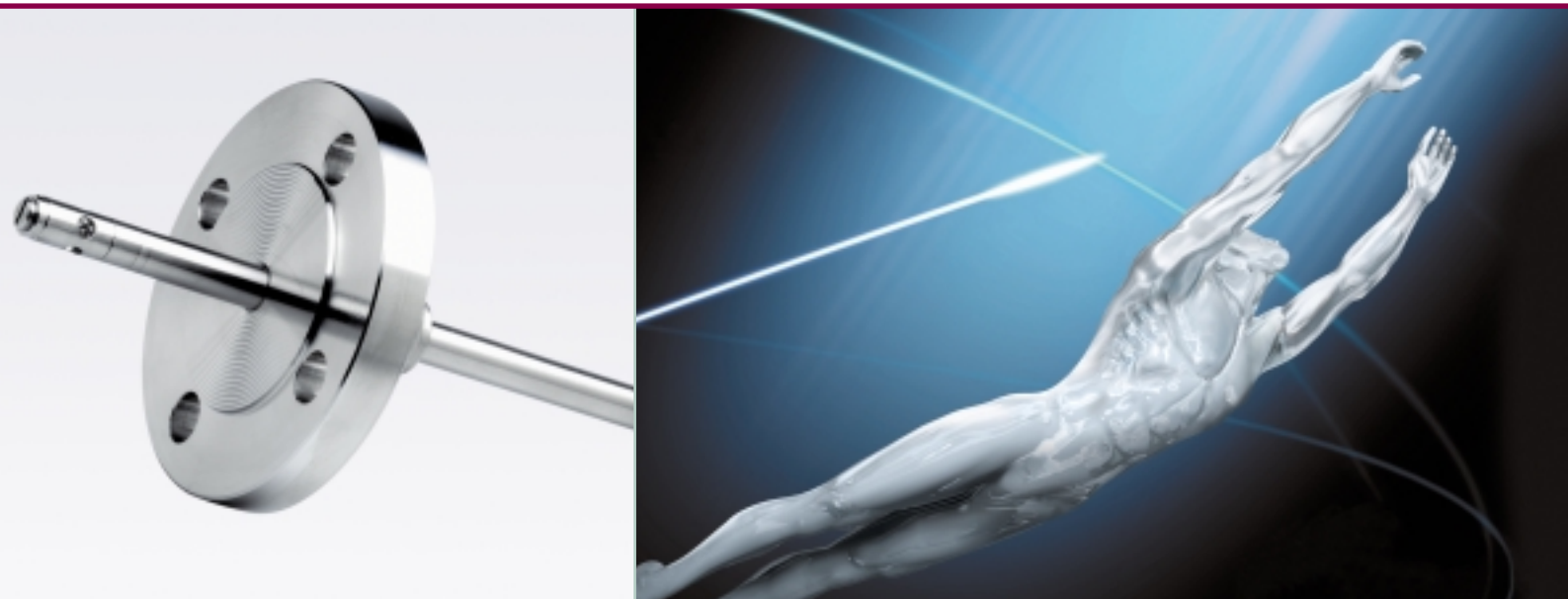


FLEX

Fiberoptic Transflection-Immersion Probes with the Superior Optic Material – Sapphire



FLEX transflection-immersion probes are remarkable for their robust design and unmatched selection of materials for all submersible components. With the optic material Sapphire, FLEX transflection probes are practically abrasion- and corrosion free, and thus stable in concentrated, strong acids and bases. Moreover, the probes will not be damaged by spikes in temperature or pressure.

All FLEX probes feature an infinitely adjustable optical path length ranging from 0.2 to 10 mm, which provides maximum flexibility. This optical path length is easily and quickly adjustable, to rapidly respond to changing concentration conditions. The probe's casing is the standard material hastelloy C22, which is resistant to highly corrosive materials even at elevated temperatures.

FLEX – the Clear Advantages at a Glance

- Abrasions and corrosion free Sapphire optic
- Chemical resistance
- Verifiable process capability
- Range of application from UV to NIR
- Wide variety of models and customized designs
- Compatible with all types of spectrometers
- Complete range of accessories



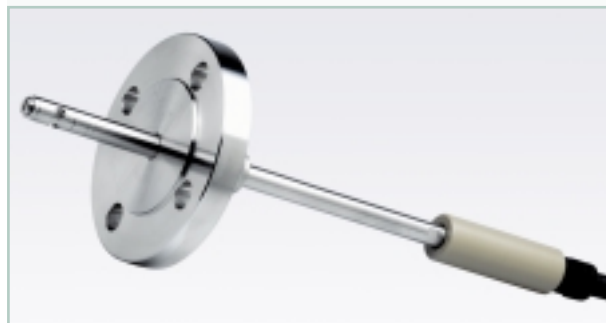
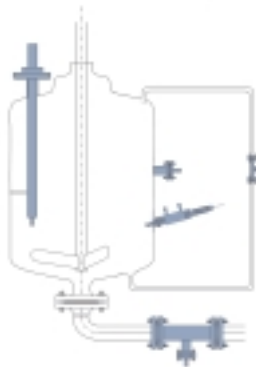
FLEX Meets the Highest Demands in Process Analysis Technology

Applications

Determination of single parameters or multicomponent analysis in clear liquids, suspensions or emulsions.

Standard Procedures

- Color number determination according to APHA, Hazen, Lovibond and Sayboldt
- Reaction monitoring in chemical synthesis from the UV to NIR range
- Control of membrane separation or process chromatography
- Concentration development monitoring in biotechnological fermentation processes



Specifications

Optic

Optical path length (OPL) Infinitely variable from 0.2 to 10 mm

Probe Design

Dimensions Diameters 6 and 12 mm
Standard materials Hastelloy C22, Sapphire
Process connectors DIN- or ANSI flanges
 Screw fittings (Swagelok)
 Additional connectors upon request

Process Conditions

Temperature Maximum 280°C (continuous use)
Pressure 0 – 40 bar

Options

Alternative materials Stainless steel DIN 1.4571/SS316Ti,
 Stainless steel DIN 1.4435/316L,
 titanium and quartz
Other Additional designs, dimensions
 and specifications upon request

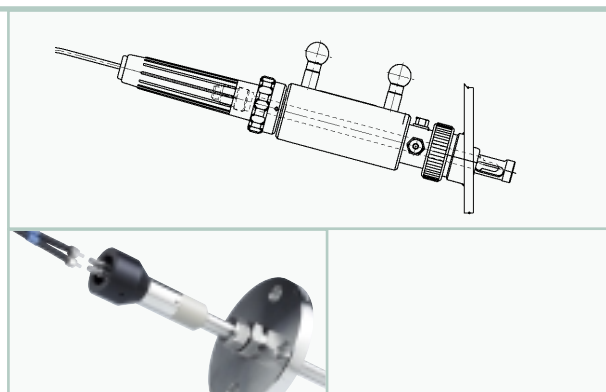
Declaration of Conformity

Certified in accordance with Pressure Equipment Directive 97/23/EC

Total Service – from Probes to a Complete Range of Accessories

We offer much more than just fiberoptic probes. Our comprehensive accessory program includes everything you need for implementing our probes as well as reliable coupling solutions for almost any type of spectrometer.

Ask us about the optimal solution for you.



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