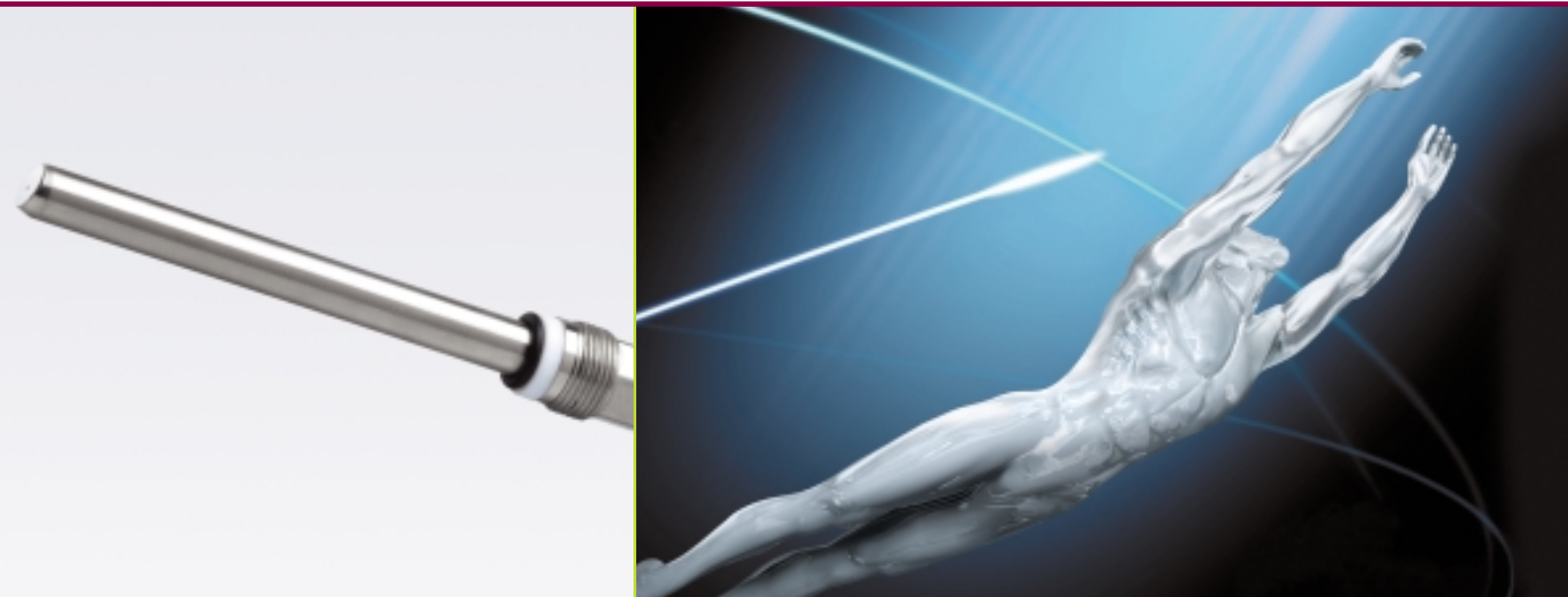


TURBIDO

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



TURBIDO reflection-immersion probes are remarkable for their robust design and unmatched selection of materials for all submersible components. With the optic material Sapphire, TURBIDO 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.

TURBIDO reflection-immersion probes can be used for the simple measurement of turbidity in liquids as well as for the identification of solids. All TURBIDO probes are designed for direct immersion into containers and pipes. The probes are manufactured in accordance with your selection from a wide range of materials, process connectors, diameters, pressure- and temperature ranges or can be further customized to meet your individual needs.

TURBIDO – 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 spectrometers
- Complete range of accessories



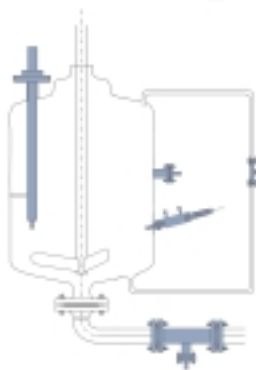
TURBIDO Meets the Highest Demands in Process Analysis Technology

Applications

From simple measurement of turbidity with the Mettler-Toledo fiberoptic turbidimeters to identification and characterization of solids.

Standard Procedures

- Reaction monitoring in heterogeneous systems in the NIR range
- Analysis of solids compositions directly in mixers
- Determination of residual solvents concentrations on solids directly in driers



Specifications

Optic

Illuminated spot Ø 1 mm

Probe Design

Dimensions Diameter 12 mm
Immersion depth from 100 mm

Standard materials Stainless steel DIN 1.4435/316L,
Sapphire

Process connectors DIN- or ANSI flanges
Screw fittings (Swagelok)
PG 13.5
Additional connectors upon request

Process Conditions

Temperature Maximum 280°C (continuous use)

Pressure 0–100 bar

Options

Alternative materials Stainless steel DIN 1.4571/SS316Ti,
titanium, hastelloy, PVDF, PP and PTFE

Other Additional designs, dimensions
and specifications upon request

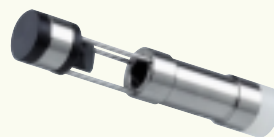
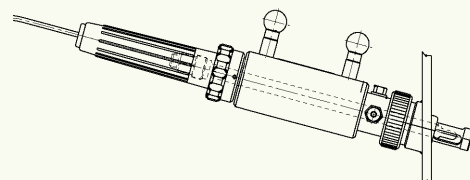
Declaration of Conformity

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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