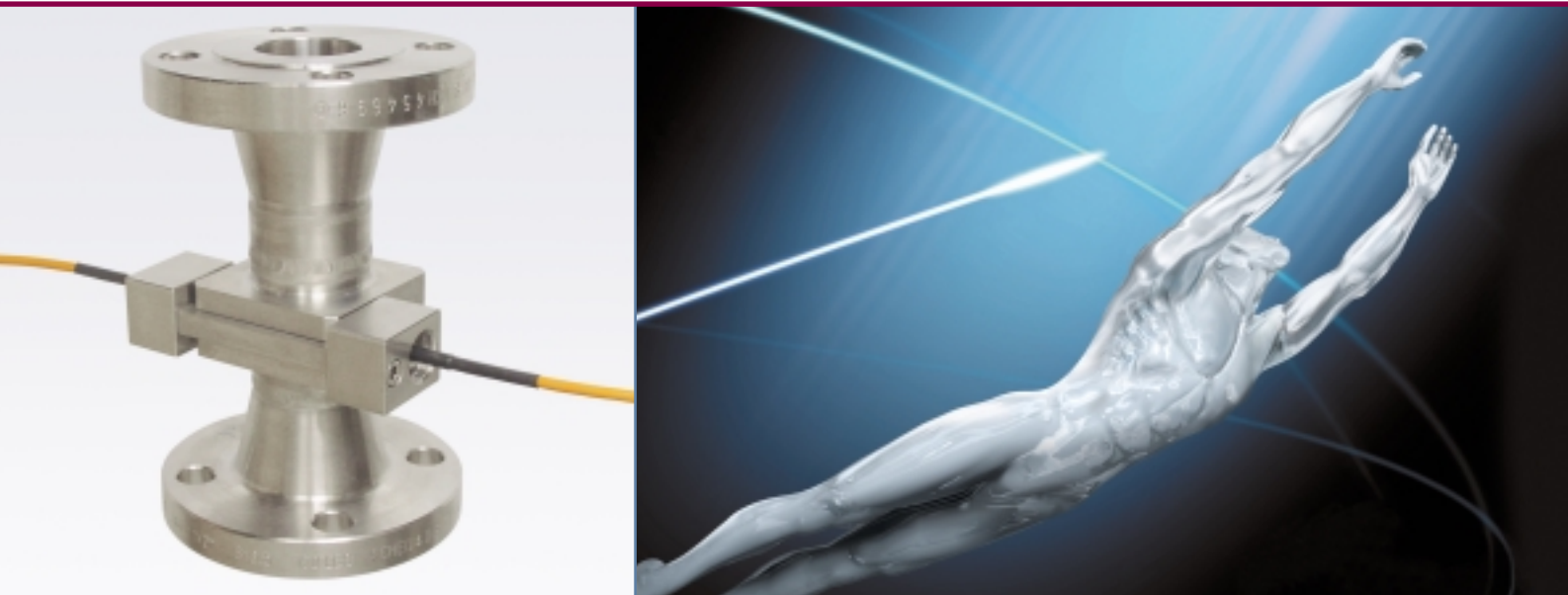


MONITOR

Fiberoptic Transmission-Flow Cells with the Superior Optic Material – Sapphire



MONITOR transmission-flow cells are remarkable for their robust design and unmatched selection of materials for all wetted parts. With the optic material Sapphire, MONITOR transmission cells are practically abrasion- and corrosion free, and thus stable in applications in which strong acids and bases are used. Moreover, the probes will not be damaged by spikes in temperature or pressure.

The MONITOR cells are the basis of all our transmission-flow cells. They are designed for direct installation into pipes. The transmission-flow cells are manufactured in accordance with your selection from a wide range of materials, process connectors, pressure levels, diameters and temperature ranges. All varieties are also available with double coating for thermostatzation. MONITOR transmission cells can also be further customized to meet your individual needs.

MONITOR – the Clear Advantages at a Glance

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



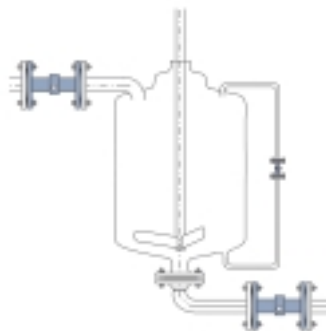
MONITOR Meets the Highest Demands in Process Analysis Technology

Applications

Determination of single parameters or multicomponent analysis in solutions or gases.

Standard Procedures

- Color number determination according to APHA, Hazen, Lovibond and Sayboldt
- Measurement of UV-VIS absorbing gases such as F₂, Cl₂, Br₂, I₂, NO_x, SO₂, Ozone and Hg
- Reaction monitoring in chemical synthesis from the UV to NIR range
- Control of membrane separation or process chromatography
- Solvent blending



Specifications

Optic

Optical path length (OPL) 1, 2, 3, 4, 5, 10 or 20 mm

Probe Design

Dimensions starting DN 25 resp. 1"
Standard materials Stainless steel DIN 1.4435/316L, Sapphire
Process connectors DIN- or ANSI flanges
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

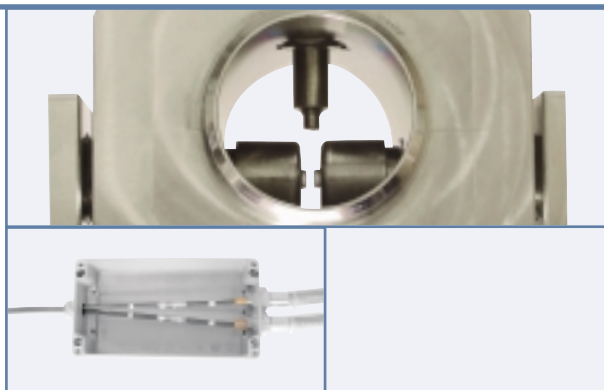
Declaration of Conformity

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

Total Service – from Flow Cells to a Complete Range of Accessories

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

Ask us about the optimal solution for you.



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