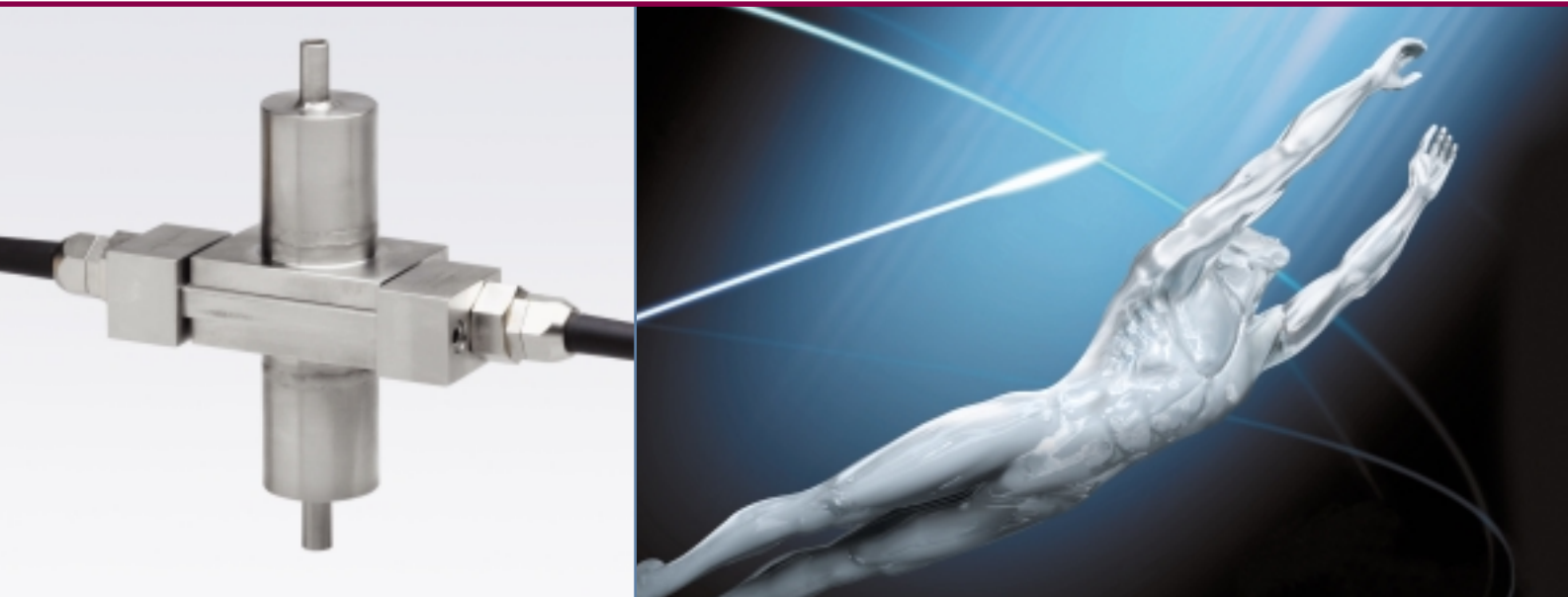


CALILAB / SYSTEM CALILAB

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



CALILAB transmission-flow cells are remarkable for their robust design and unmatched selection of materials for all wetted parts. They come standard with double coating for thermostatzation, and can also be equipped with up to four optical connectors. With the optic material Sapphire, CALILAB transmission cells are practically abrasion- and corrosion free, and thus stable in processes in which concentrated, strong acids and bases are used. Moreover, the probes will not be damaged by spikes in temperature or pressure.

Based on CALILAB, we now offer SYSTEM CALILAB. SYSTEM CALILAB is the ideal start kit for method development and calibration in the laboratory – particularly when evaluating the effect of temperature influences.

CALILAB – the Clear Advantages at a Glance

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



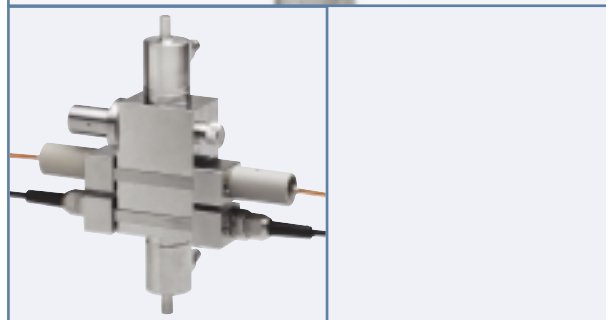
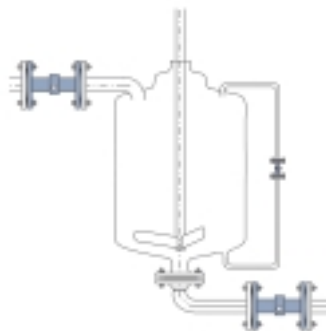
CALILAB / SYSTEM CALILAB Meet the Highest Demands in Process Analysis Technology

Applications

Determination of single parameters or multicomponent analysis in liquids.

Standard Procedures

- Method development for multicomponent analysis in transparent liquids
- Laboratory calibration for multicomponent analysis
- Determination of temperature influences on calibrations



Specifications

Optic

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

Probe Design

Dimensions W×H×D 120×40×35 mm

Standard material Stainless steel DIN 1.4435/316L, Sapphire

Process connectors Screw fittings (Swagelok) for pipe diameters from 6 to 12 mm (1/4" to 1/2")
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, titanium and hastelloy

Other Additional designs, dimensions and specifications upon request

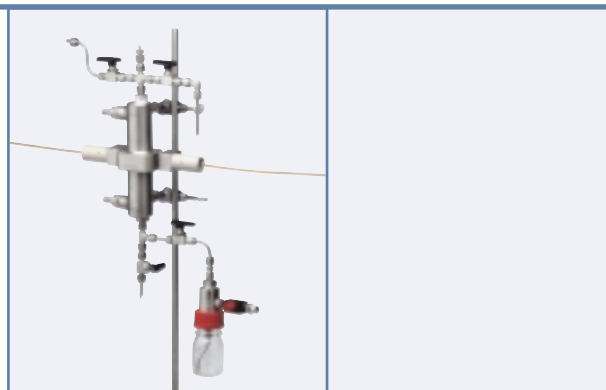
Declaration of Conformity

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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