

## GMZ



### Example applications

- Measurement of UV/VIS/NIR-absorbing gases such as F<sub>2</sub>, Cl<sub>2</sub>, Br<sub>2</sub>, I<sub>2</sub>, SO<sub>2</sub>, O<sub>2</sub>
- Measurement of highly corrosive gases



### Benefits

- Windows can be easily cleaned by the customer
- Easy process connection via Swagelok fittings
- High energy throughput for a good signal-to-noise ratio
- Easy light injection via standard collimators with SMA connector



### Technical Specifications Standard Flowcell

Measuring Principle	Transmittance
Material Process Window	Sapphire
Material Gasmesszelle	1.4571
Process Connection	Swagelok fitting 6mm / ¼ Zoll
Sealing Material	Kalrez® 6375
Temperature Range	5°C to 150°C (pertinent to Sealing Material)
Pressure Range	up to 20 bar / 300lb/sq.in.
Optical Path Length	freely selectable up to 500 mm / 19,69 Zoll
Collimation Optics	Stainless Steel 1.4571 with Lens Suprasil® 300
Optical Fiber	0,5 m / 19,7 Zoll Stainless Steel Coat 600/660 µm Quarzfiber with SMA Connection and Stainless Steel Sleeve 130 mm / 5,12 Zoll
Compliance	Pressure Equipment Directive 2014/68/EU

Other materials, such as other stainless steels or Hastelloy, are manufactured on customer request. Other process connections or sealing materials can also be used according to customer requirements. For UV applications or on request, the cell can be manufactured with process windows made of quartz and collimation optics made of Suprasil® 1.