



## CS21 - Methane Monitoring



- ✓ Chemosorption sensor
- ✓ Fast response time
- ✓ One man calibration at site
- ✓ Sensor life > 5 years
- ✓ External sensor optional
- ✓ Good price for quality!

### Averting hazards in time

The transmitter CS 21 uses the proven principle chemosorption to detect methane. In less than 8 seconds the CS 21 responds to methane from gas leaks. This extremely short response time allows to take counter-measures in time and to prevent extended damage. In combination with the Delta Alarm of GfG's control module GMA 300 the time of alarm triggering may be reduced even further.

### Favourable long-term solution

Particularly long sensor life make the CS 21 the cost effective alternative for methane monitoring. 5 years and more the sensor can be permanently operated. The CS 21 is supplied pre-calibrated and easily mounts to the wall. The distance between transmitter and control module may be more than 500 meters. A robust aluminum enclosure protects the sensor and the circuitry from impacts, splash water and dust.

### Technical Data

<b>Gas:</b> Methane, CH <sub>4</sub>	<b>Response time:</b> T <sub>Alarm</sub> less than 8 seconds
<b>Detection range:</b> up to 100 % LEL	<b>Output signal</b> 0.2 .. 1 mA 4 .. 20 mA
<b>Gas supply:</b> Diffusion through stainless steel sinter metal filter	<b>Voltage supply:</b> 10 .. 32 V
<b>Humidity:</b> 20 .. 96 % r.h., non-condensing	<b>Expected sensor life:</b> > 5 years
<b>Pressure:</b> 920 .. 1100 hPa	<b>Casing protection:</b> IP 54, splash water proof
<b>Ambient temperature:</b> -30 .. +55 °C	<b>Weight:</b> 370 g
<b>Cable connection:</b> shielded cable 3 x 0.75mm <sup>2</sup> for up to 500 m, 3 x 1.5 mm <sup>2</sup> for more than 500 m PG11 cable gland	<b>Dimensions:</b> 100 x 100 x 57 mm (WxHxD)

### Best consultation from the specialists for gas detection

### We help to plan and execute your projects

- Consultation for gas and water monitoring
- Best positioning of transmitters
- Various concepts for alarm triggering
- Construction and installation of complete switch cabinets
- Reliable service
- Customer specific documentation of gas warning systems



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