



Worldwide Supplier Of Gas Detection Solutions

Transmitter CS21

NH₃ Monitoring in Refrigerating Plants



- ✓ 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 CS21 uses the proven principle chemosorption to detect ammonia. In less than 8 seconds the CS21 responds to ammonia 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.

Technical Data

Gas: Ammonia, NH ₃	Response time: t _{Alarm} less than 8 seconds
Detection ranges: (0)20 .. 300 ppm (0)30 .. 1000 ppm	Output signal 0.2 .. 1 mA 4 .. 20 mA
Gas supply: Diffusion through stainless steel sinter metal filter	Voltage supply: 10 .. 32 V
Humidity: 20 .. 96 % r.h., non-condensing	Expected sensor life: > 5 years
Pressure: 920 .. 1100 hPa	Casing protection: IP 54, splash water proof
Ambient temperature: -30 .. +55 °C	Weight: 370 g
Cable connection: Shielded cable 3 x 0.75mm ² up to 500 m, 3 x 1.5 mm ² for more than 500 m PG11 cable gland	Dimensions: 100 x 100 x 57 mm (WxHxD)

Favourable long-term solution

Particularly long sensor life make the CS21 the cost effective alternative for ammonia monitoring. 5 years and more the sensor can be permanently operated. The CS21 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.

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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