

# CS 21 Transmitter

## Low Cost Solid State Sensor



- High sensitivity to a broad range of refrigerants
- Long sensor life
- Fast response

# CS 21 with External Sensor

## Transmitter for monitoring toxic gases and combustibles

The CS 21 transmitter uses the proven chemisorption detection principle for detection of toxic gases, vapors and combustibles. The rapid response of the transmitter provides opportunity to take counter measures and thereby limit damages. The long life of the sensors makes the CS 21 a low-cost solution for your detection needs. A transmitter can be continuously operated for more than 5 years.

Wall mount installation is straightforward. The distance between transmitter and controller can be greater than 500 m. A rugged aluminum casing protects the sensor and electronics from splashes of water and dirt. The transmitter must not be operated in EX-areas. For measurement of combustible gases in the LEL range the gas needs to be sampled by pump. In this case the EX-protection needs to be guaranteed with suitable external components (e.g. flame-protection).

## CS 21 transmitter **Technical Data**

### Cases

Freons

### Detection principle

Chemosorption

### Response time

tA < 14 seconds

### Output signal

0.2-1 mA  
4-20 mA

### Gas supply

Diffusion through stainless steel sinter metal filter

### Power supply

10 to 30 V DC

### Humidity

20 to 96 % r.h., non condensing

### Expected sensor life

Greater than 5 years

### Pressure

920 to 1,100 hPa

### Casing protection

IP 54

### Ambient temperature

-22 to +131°F / -30 to +55°C

### Cable connection

Shielded cable  
3 x 0.75 mm up to 500 m,  
3 x 1.5 mm for more than 500 m  
PG11 cable gland

### Weight

13.05 ounces (370 grams)

### Dimensions

3.94x3.94x2 inches (100x100x57 mm) (HxWxD)

*Specifications subject to change without notification*

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