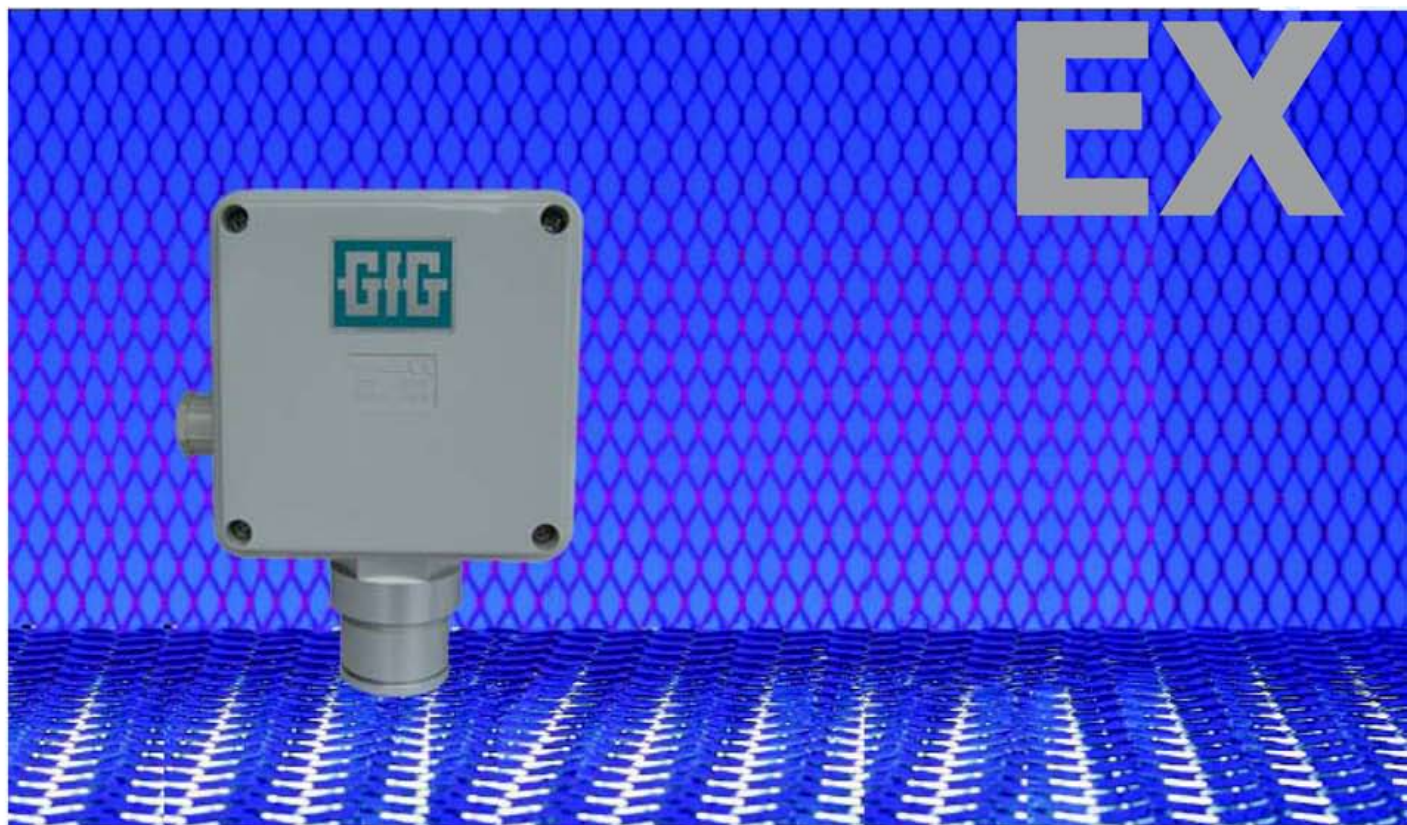


Transmitter CC 23

State-of-the-art monitoring of
Combustibles Gases - CH₄ Sense Series



For use in Non-Hazardous Areas
Sensors with long term stability
High Selectivity
Easy Handling
4 ... 20 mA output signal (linearized)
Microprocessor based
One-man calibration on site
Solid PVC enclosure IP65
Option for relay contact

Worldwide Supplier of Gas Detection Solutions



Stationary monitoring of Combustible Gases

The Transmitter CC 23 is a low-cost, robust gas transmitter for the monitoring of combustible gases concentration in safe environment. Through potentiometer and test sockets behind a service lid, the calibration can be exercised with little hindling onsite. The enclosure protection can be delivered IP 65 as standard and upgradable to IP 68, that means it is dirt, dust and water proof. The transmitter CC 23 can be operated alone or in combination with a **GfG** controller. Its important features are the easy handling and long life.

One-man Auto Calibration

Simply press a button, the SMART microprocessor will automatically recognize the data inside the sensor, and auto-calibrate itself, without any trimmers.

Off-site Sensor Calibration

All **GfG** SMART sensors are pre-calibrated in our lab, and simply install any SMART sensor with no further calibration required. calibration data automatically uploads to the transmitter to ensure precise calibration.

Rapid Warm-up

Ready to calibrate after power is applied. Does not require bias voltage to stay ready or long wait for stabilization.

CC 23 Series

Technical Data

General

Gas

Combustible Gases

Sensor Type

CC - Catalytic Combustion

Measuring Range

Combustible 0 ... 100%LEL

Gas Supply

Diffusion through stainless steel sintered filter.

Fast Response Time

T₉₀ < 5 seconds (depending on the kind of gas)

Accuracy

+/- 2% F.S.

Repeatability

1% of signal

Output Linearity

Linear

Expected Sensor Life

> 2 years (depending on sensor type)

Environmental Conditions

Temperature : -15 ... +45°C
0 ... 40°C tested
Humidity : 15 ... 96% r.h.,
non-condensing
Pressure : 920 ... 1080 hPa

Signal Connection to Controller

3 shielded wire
18 AWG; < 1000ft
PG 9 gland

Output Signal

4 ... 20mA

Power supply

18 ... 24 Vdc
Less than 25mA

Relay

1 relay

Housing

PVC non-Ex proof

Casing Protection

IP 56
IP 68, up to 10m water column (option)

Physical measurements

Weight 380gm
Dimension 110 x 110 x 45(mm)

Display

Non Display type

Calibration

Microprocessor based for Auto Zero and Auto Calibration



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