

# Transmitter CC 23

State-of-the-art monitoring of  
Combustibles Gases - CH<sub>4</sub> 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

T 90 < 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



**GfG Asia Pacific Pte Ltd**

315 Outram Road Unit 13-01

Tan Boon Liat Building

Singapore 168074

Tel: +65 6227 4346 ; Fax: +65 6227 4347

Web: [www.gfg-asiapac.com](http://www.gfg-asiapac.com)