

# Transmitter CC28

State-of-the-art monitoring of combustible gases



- ATEX approval II 2 G EEx dem [ib] IIC T4
- One-man calibration at transmitter via remote control
- Plug-in Smart Sensor
- Fastest response time worldwide

Worldwide Supplier Of Gas Detection Solutions



# Transmitter CC28

## Superior technology

Wherever hazards from combustible gases or vapours are to be expected, the transmitter CC28 and GfG's proven monitoring systems are the right choice for reliable surveillance.

The ATEX-certified design provides the highest safety even in hazardous areas. LEDs indicate operation (green) or fault (red).

## Smart sensors

Smart Sensor technology allows the user to install the transmitter or to replace a sensor within a few seconds – just plug the sensor in to the transmitter. Adjustments are done directly at the transmitter with the remote control (one man calibration).

## Remote Control RC2

Several flammable gases are lighter than air. With the transmitter installed close to the ceiling you can provide permanently connected cable with plugs for the remote control, which allows the user to do all adjustments without having to climb a ladder. One remote control can be used for several transmitters.

The remote control simplifies inspection, service and calibration considerably. In addition to this, the remote control reads the current gas concentration and can be used as an external display.



## Reliable detection and minimized cost of ownership

The sensor and the integrated temperature compensation provide highest measurement accuracy. Low maintenance requirements and long sensor life reduce your cost of ownership. The improved sensor technology and a special „chimney effect“ make the CC28 the transmitter for combustible gases with the fastest response time worldwide. This gives the user



"CHIMNEY-EFFECT"

additional seconds to take counter measures or to get to safety.

## Versions

### CC28 D

with a large display for actual gas concentration readings.

### CC28 DA

provides additional warning by means of bright alarm LEDs and a buzzer - thus avoiding cost for a separate Ex-proof buzzer and an Ex-proof light. You save the money for the wiring between controller and alarm device.

In combination with GfG's flexible controllers all versions of the transmitter CC28 provide excellent possibilities to detect combustible gases and vapours in a cost effective, quick and reliable way.

## Advantages at a glance

- Display of gas concentration at remote control
- The world's fastest transmitter for combustible gases
- ATEX II 2 G EEx dem [ib] IIC T4
- Plug-in smart sensor for easy sensor replacement
- Long sensor life
- Low service requirement
- Permanent status and function display (operation/fault/service) at transmitter
- Calibration without opening housing via remote control, easy handling even at difficult to access transmitter positions (e.g. at the ceiling)

# Transmitter CC28 Technical Data

## Gases:

Combustible gases and vapours

## Detection range:

0 .. 100 % LEL, 0 .. 50 % LEL

## Detection principle:

Catalytic combustion

## Ambient temperature:

-20°C .. +50°C

## Output signal:

4 – 20 mA

## Power supply:

15 – 30 V DC

## Response time:

t90 = 12 seconds

## Casing protection:

IP64

## Weight:

800 g with display

## Display:

LEDs for operation / fault

## Wiring:

Shielded cable  
3 x 0,75 mm<sup>2</sup> for up to 200 m,  
3 x 1,5 mm<sup>2</sup> for up to 1000 m,  
M 16 x 1,5

## Dimensions:

100 x 193 x 55 mm (W x H x D)

## Expected sensor life:

3 - 5 years

## ATEX-labelling:

⊕ II 2 G EEx dem [ib] IIC T4 C<sub>0</sub>158

## EC-Type Examination Certificate:

BVS 04 ATEX E 132 X  
(electric Ex-protection)  
BVS 05 ATEX G 001 X  
(Detection function – depending on sensor, detection range and gas)

## EMC:

EN 50270 : 1999  
Radio shielding: Type class I  
Interference resistance: Type class II



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