

# Transmitter CC28 DA

State-of-the-art monitoring of combustible gases



- Display of gas concentration at transmitter
- Ex-proof visual and audible alarm
- ATEX approval II 2 G EEx dem [ib] IIC T4
- One-man calibration at transmitter via touch keys or remote control
- Plug-in Smart Sensor
- Fastest response time worldwide

Worldwide Supplier Of Gas Detection Solutions



# Transmitter CC28 DA

## 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).

The Transmitter CC28 D provides a large 4-digit LCD for detection values and messages and service. With 3 touch keys under the display several adjustments, calibrations and function test can be done.

The bright alarm LED and the integrated buzzer make this controller a complete gas warning system. No need and high costs for Ex-proof buzzer, even less wiring. The gas alarm does not only alert the control room but also the person at site.

## 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 the transmitter. Adjustments are done directly at the transmitter via touch keys or 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 up 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.



RC2 with CC28

## 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



"CHIMNEY-EFFECT"

sensor technology and a special „chimney effect“ make the CC28 the transmitter for combustible gases with the shortest response time worldwide. This gives the user additional seconds to take counter measures or to get to safety.

## Versions

### CC28 D

with a large display for actual gas concentration readings.

### CC28

basic unit without display.

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

## Advantages at a glance

- Display of gas concentration at transmitter or at remote control
- The world's fastest transmitter for combustible gases
- ATEX II 2 G EEx dem [ib] IIC T4
- Ex-proof visual and audible alarm
- No need for expensive Ex-proof buzzer, less wiring
- 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 of housing via touch keys or remote control, easy handling even at difficult to access transmitter positions (e.g. at the ceiling)

# Transmitter CC28 DA 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:

t<sub>90</sub> = 12 seconds

## Casing protection:

IP64

## Weight:

800 g with display

## Display:

4-digit LCD for linearized detection values and messages, service, LEDs for operation / fault

## Function keys:

3 touch keys for all settings / calibration, function test

## 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 CE<sub>0158</sub>

## 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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