

# CC 28 Transmitter

## Combustible Gas Detector



- Full-featured smart transmitter for combustible gas measurement
- Non-intrusive calibration adjustment
- Sensor lasts 5 years or longer
- Also available for a wide range of toxic gas measurement

# CC 28 – The Smart Transmitter for Combustible Gases

## Superior technology

In areas where combustible gas or vapor hazards may exist, GfG's new CC 28 combustible transmitter is the perfect choice for reliable area monitoring. With its proven design, this ATEX certified transmitter offers an integrated explosion-proof buzzer and bright-alarm LEDs for reliable warning of combustible gas hazards (even in hazardous locations). This superior design provides warnings for immediate personnel, and ensures entire plant safety.

## Easy handling

Smart sensor technology allows easy installation. Sensor replacement takes only a few seconds—simply plug in the sensor. User adjustments are performed at the transmitter with simple touch keys, or with the optional remote control interface (one person calibration).

## RC2 remote control

Several combustible gases are lighter than air. With the transmitter mounted close to the ceiling, calibration can be difficult. The remote control for the CC 28 allows you to perform calibration or zero adjustments without the need of a ladder or lift. A flexible cable connects the remote control to the transmitter and displays the same reading as the display on the transmitter. With the remote control inspection,

service and calibration can be performed easily by one person.

The sensor and the integrated temperature compensation provide highest measurement accuracy.

Low maintenance requirements and long sensor life reduce your cost of ownership. Just sign a service contract and don't worry about any problems. We will service your system at regular intervals.

## Models

Model CC 28D allows you to read the gas concentration both at the transmitter and at the GMA controller.

Model CC 28DA provides additional warning with bright integrated alarm LEDs and a buzzer.

With the RC2 remote control - the CC 28 is easy to use and to operate even if it is mounted at the ceiling.



## Advantages at a glance

- Display of gas concentration at transmitter or remote control
- ATEX II 2 G EEx dem (ib) IIC T4
- Ex-proof visual and audible alarms
- No need of expensive Ex-proof buzzer or wiring
- Easy sensor replacement with plug-in sensors
- Long sensor life
- Low service requirement
- Permanent status and function display at transmitter
- Adjustments by means of touch keys or remote control without opening the casing
- Easy handling even at hard-to-reach accessible transmitter positions

# Technical Data

## CC 28

### Gases

Combustible gases and vapors

### Detection range

0-100% LEL  
0-50% LEL

### Detection principle

Catalytic combustion

### Ambient temperature

-4 to +122°F / -20 to +50°C

### Output signal

4-20 mA

### Supply voltage

24 VDC

### Casing protection

IP 64

### Display

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

### Function keys

3 touch keys for all settings / calibration, function test

### Transmitter cable

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 1,000 m,  
M 16 x 1.5

### Expected sensor life

3-5 years

### Weight

28 ounces (800 grams) with display

### Dimensions

7.6x3.94x2.17 inches (193x100x55 mm) (HxWxD)

### Ratings and certifications (intrinsic safety)

ATEX II 2 G EEx dem (ib) IIC T4 0158

EC-Type BVS 04 ATEX E 132 X

EMC EN 50270 : 1999

Radioshielding: Type class I

Interference resistance: Type class II

QM system certified as per  
DIN EN ISO 9001:2000



Specifications subject to change without notification

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