Transmitter CC28 D
State-of-the-art monitoring of combustible gases

- Display of gas concentration at transmitter
- 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 D

**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.

**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 by means of 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 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.

**Versions**
**CC28 DA** provide additional warning by means of bright alarm LEDs and a buzzer - thus avoiding cost for a separate Ex-proof horn and an Ex-proof light. You save the money for the wiring between controller and alarm device.

**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 cost effective, 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 Ex 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 touch keys or remote control, easy handling even at difficult to access transmitter positions (e.g. at the ceiling)

**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:**
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 mm² for up to 200 m,
3 x 1,5 mm² 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 Ex dem [ib] IIC T4

**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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**Transmitter CC28 D, English Language**

All information in this brochure is subject to technical change without notice in the interest of progress. Transmitter CC28 D/Brochure/GB/01-2009. Printed in Germany