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 adjustements, 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.

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 sensor technology and a special „chimney effect" make the CC28 the transmitter for combustible

"CHIMNEY-EFFECT"

gases with the fastest response time worldwide. This gives the user additional seconds to take counter measures or to get to safety.

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

Technical Data
Transmitter CC28 D

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_{90} = 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^2 for up to 200 m,
3 x 1,5 mm^2 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:
⟨Ex⟩ II 2 G EEx dem [ib] IIC T4 CE$_{0158}$
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