Transmitter CC22

for combustible gases

- Uses the proven heat of reaction principle
- Long service life of the sensors
- High efficiency and low follow-up costs
- Sturdy plastic housing (IP54)
- Cost-effective single-man adjustment
- Affordable solution for many measuring tasks

Technology for people and the environment

All combustible gases under control

Are you looking for an innovative and cost-effective transmitter for combustible gases, but without the need for explosion protection? Then a GfG transmitter from the 22 series from is the right choice.

Time-proven and innovative is not a contradiction

The CC22 works according to the heat of reaction principle, a proven method for measuring combustible gases. The transmitters are fitted with high-performance electronics for voltage stabilization, processing of readings, and temperature compensation. Follow-up costs are minimized thanks to the long lifespan of the sensors.

Graphic display with control buttons and horn

Universal signal transmission

Either analogue or digital measured values and status displays can be transmitted by the CC22 by means of a Modbus interface. Due to the different types of signal transmission, a transmitter from the 22 series can be connected to almost any gas detecting system, also as an extra measuring point or as a replacement transmitter on existing systems.

Signal processing

The embedded software of the CC22 linearizes the measuring signal and compensates for the effects of temperature. As a result, correct readings are transmitted even with weather-related fluctuations in temperature. The realization of the software allows problems to be detected, and the Modbus version also indicates any required service or maintenance work.

Transmitter CC22 and Controller GMA200-MW4

Weather protection

A weatherproof housing not only protects transmitters against exposure to wind and weather, but also against contamination and excessive temperatures caused by direct sunlight.

Optional coloured graphic display and horn

The clear graphic display of the CC22 is self-explanatory and allows you to read off the current status and other important information with ease. In the event of an alarm, the display will turn red and an acoustic signal will also be given in the form of a horn. The display enables you to navigate effortlessly through the unit's concise menu and to change settings or even calibrate, depending on your user authorization.

CC22 with weather protection

Calibration adapter

In order to perform regular functional checks involving gassing, a calibration adapter is screwed onto the transmitter, which ensures a uniform and secure supply of gas.

Technical data

Transmitter CC22

Messgase:
combustible gases and vapours, e.g. CH_4, C_3H_8, C_9H_{20}, C_2H_6O, ...

Measuring range:
0 .. 100 % LEL

Measuring principle:
heat of reaction

Gas supply:
diffusion or gassing with calibration adapter

Response time t_{90}:
less than 30 seconds (depending on type of gas)

Expected average life of the measuring cell:
>3 years depending on operating conditions

Ambient temperature:
-20°C .. +50°C

Humidity:
5 .. 90 % r. F.

Air pressure:
950 .. 1100 hPa

Output signal:
0,2 .. 1 mA / 4 .. 20 mA / RS485 (Modbus)

Voltage Supply:
18 .. 30 Volt DC

Housing:
Plastic(IP54)

Weight:
up to 325 g (depending on version)

Dimensions:
98 x 120 x 50 mm

Housing protection type:
IP54

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