



Worldwide Supplier Of Gas Detection Solutions

CC0238 EX – Transmitter for Combustible Gases



- ✓ Robust transmitter for all combustible gases
- ✓ Proven detection principle catalytic combustion
- ✓ Ex-proof
- ✓ Function tested
- ✓ Very long sensor life, low cost of ownership
- ✓ Very good price for quality

The transmitter CC 0238 EX is a low cost version for detecting combustible gases with the principle catalytic combustion (CC). With this detection principle the combustible components of a gas are catalytically burnt at a heated sensor element. This changes the electrical resistance of the sensor element. The change is proportional to the gas concentration.

GfG's transmitters provide a powerful circuitry for voltage stabilization, processing of output signal and temperature compensation. This results in reliable measurement values even in case of considerable temperature changes.

The quality of the CC 0238 EX has been certified by BAM resp. PFG-function test PFG-Nr. 41300596.

The expected sensor life is more than 5 years. This minimizes the cost of ownership.

Accessories

Calibration adapter:

For the regular function check the transmitters have to be exposed to test gas. The calibration adapter is screwed on the transmitter and ensures safe and constant gas supply.

Sampling systems:

The sampling system allows to bring the gases from inaccessible areas or conduits to the transmitter. Special filters provide dust protection for the transmitter vor Staub.

Weather protection:

Transmitters which are mounted outdoors can be further protected up to IP 68 from soiling and excess temperature by excessive sunshine.



Technical Data

Gas:

Combustible gases and vapors, e.g. CH₄, C₃H₈, C₉H₂₀, C₂H₆O...

Detection ranges:

0 .. 50...100 % LEL

Detection principle:

Catalytic combustion

Gas supply:

Diffusion or via calibration adapter

Response time t₉₀

< 30 seconds (depending on kind of gas)

Expected sensor lifetime:

> 5 years

Operational conditions

Temperature: -20...40°C (Ex-prot.)
-25...50°C (function test)

Humidity: 5...90% r.h.

Atm. pressure: 9501100 hPa

Casing protection:

IP 56

Dimensions:

110 x 75 x 55 mm (WxHxD)

Output signal:

0.2 .. 1 mA

Voltage supply

15...30 V DC

Enclosure

Antistatic compound
Weight: approx. 600 g
Dimensions: 130 x 80 x 57 mm
(WxHxD)

Function test certificate

IBS/PFG-Nr. 41300596

Approval

(Ex) es 3n G5

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