



Worldwide Supplier Of Gas Detection Solutions

CC 24 Ex

Transmitter for combustible gases



The **CC 24** is the ideal transmitter for detecting combustible gases up to 100 % LEL.


The proven detection principle catalytic combustion reliably measures all combustible gases in the ambient air.

The individual safety calibration of the transmitter provides protection from flammable gases and vapors in any environment.

The integrated amplification circuitry passes the sensor signal reliably on to the control module.

The CC24 Ex is supplied pre-calibrated. The distance between transmitter and control module may be longer than 1000 meter.

The long-life sensors guarantee considerably low cost of ownership.

- **Sensor life more than 5 years**
- **Function test certificate**
- **Ex approval:**  II 2G EEx dem [ib] IIC T6
- **Poison resistant sensor**
- **Easy calibration at site**
- **For all combustible gases**
- **0.2 .. 1mA or 4 .. 20 mA output signal**
- **Robust aluminum enclosure, IP 54 (IP 68 optional)**
- **Low cost of ownership**

Technical Data

Gas

Combustible gases

Detection principle

Catalytic combustion

Detection range

0 .. 100 % LEL

Gas supply

Diffusion or via calibration adapter (flow rate 0.5±0.1 l/min)

Response time (t₉₀)

< 16 Sec. (methane)

Operating temperature

-20 .. +40°C (Ex-protection)
-25 .. +55°C (Function test)

Humidity

5 ... 90 % r.h.

Atm. pressure

950 ... 1100 hPa

Sensor life

> 5 years

Output signal

0.2 ... 1 mA / 4... 20 mA

Voltage supply

18 ... 24 V

Protection

IP 54 resp. IP 68

Cable connection

3 wire line / PG 11,
cable length up to 1000 m

Casing material

Aluminum alloy


Dimensions

(100 x 100 x 57) mm (W x H x D)

Weight

approx. 1000 g

Ex approval

ATEX  II 2G EEx dem [ib] IIC T6
CE₀₁₅₈

Function test

PFG-Nr.: 41300597