



# FGT110CO

**CO detector, 4-20mA, 0-300 ppm, Eex-n**

## State of the art technology

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The FGE/FGT100 series of gas detectors have been designed to provide the highest degree of sensitivity to the presence of explosive or toxic gases. The professional catalytic (pellistor) or electrochemical cells show excellent output linearity up to 100% LEL (lower explosion level) as well as a superior repeatability and durability. The FGT110CO is ATEX approved Eex-n cat A.

## Maintenance friendly

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The FGE100 series has a 10-bit microprocessor as its core, which provides self-diagnostic features to control the hardware, and the sensors correct operation. Also provided is a auto zero function which prevents drifting due to thermal or physical variations of the transducer.

## Excellence in gas detection

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A digital filter is employed to analyse the analogue values sampled to prevent nuisance alarms due to noise, or electrical or chemical interference. A hysteresis cycle is applied to the alarm outputs to prevent multiple switching when close to the alarm threshold value.

## A choice of interface

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The detectors provide 4 to 20ma standard, and interface to the FGC range of control panels via RS485 interface boards. Optional open collector and relay outputs can also be used to interface to any conventional or analogue addressable fire panel or other equipment.



## Details

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- Professional electrochemical sensor
- Superior repeatability and durability
- Microprocessor controlled
- Self diagnostic features
- Drift compensation
- Digital filter
- 4-20mA standard
- Optional relay board
- ATEX Eex-n

# FGT110CO

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## Technical specifications

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### Detectable gas

Carbon monoxide

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### Sensing element

Electrochemical cell

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### Measurement range

0 - 300 ppm (parts per million)

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### Proportional output

4-20mA, 200 ohm

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### Resolution

0.025mA

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### Power supply

12-24 Vdc, -20% + 15%

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### Current consumption @ 12V - 24V

40 mA

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### Warm up time

5 minutes

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### Stabilization time

< 2 minutes

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### Response time

T50 < 20 sec

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T90 < 60 sec

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### Storage temperature

-25 - +60 °C

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### Operating temperature

-10 - +60 °C

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### Operating pressure

80 - 110 KPa

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### Relative Humidity

20 - 90 % Rh

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### Air velocity

< 6 m / s

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### Weight

800 gr

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### Dimension

106mm l, 180mm h, 62mm d

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### Orientation

Sensor head downwards

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As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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