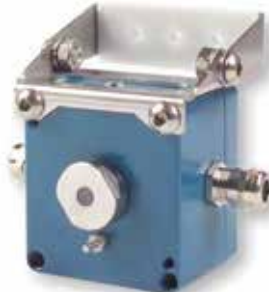




Industrial detectors

Gas Emission Detector, Ex

GMX1001CO Ex Dust BG



Product features

- A microcontroller monitors the functionality and values
- Multi sensor carbon monoxide and temperature
- Connection of remote indicator possible
- For use in Ex zones 20, 21 and 22

Technical specifications

Detection method	CO (carbon monoxide) and temperature
Alarm threshold	≥ 40 ppm
- Carbon monoxide	> 60 °C (140 °F)
- Temperature	dT > 3 °C/min. at T
- Rate of rise measurement	> 36 °C (96.8 °F)
Operating voltage	7.6 V - 40 V DC
Quiescent current	approx. 0.15 mA
Alarm current	approx. 18 mA
Alarm indication	1 LED red
Electrostatic shielding	required
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
IP rating (EN 60529)	IP 65
Enclosure material	Diecast aluminum, RAL 5009-blue
Relative humidity (IEC 721-3-3)	max. 15 to + 90 % no condensation
Specification according to	EN 54-5
Weight	600 g (1.3 lbs)
Dimensions	122 x 106 x 88 mm (WxHxD) 4.8 x 4.2 x 3.5 inch (WxHxD)

Part no.: 905643

Multi sensor fire gas detector GMX1001CO Ex Dust BG for the early detection of smoldering fires. Designed for use in rough industrial environments (e.g. silos, chip bunkers). The GMX1001CO I detects the burning characteristic substance carbon monoxide and temperature. False alarms are nearly impossible. Designed for operation as a conventional detector. The GMX1001CO Ex Dust BG gas detectors are ATEX-approved for category 1 and 2 dust and are suitable for use in Ex zone 20 and 21.

Not included in delivery

Mounting device console 80x75Ø54	902898
End of line-resistor 1.8 K / 0.5 W	675235
Test device smoke generator RG2000	902671
Remote indicator LMX5000	908499

Connection / mounting

Connection cable standard detector	2-wire
Conductor cross-section	max. 2.5 mm ² (AWG 13)
Fire detection cable with static shield	606061
LIYCY grey	5x0.5 mm ² (AWG 20)
Cable gland	M16x1.5, Brass nickel-plated, EMV, Ex

Spare parts

Screwed GMX1001COI complete	902923
Sensor GMX1002CO	900968

Note

Simple one-man calibration

Approvals / marking

Type examination certificate: BVS 05 ATEX E179



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