Analogue Toxic Gas Detectors (GS-220.BC.V.ZETA)



Description

The GS-220.BC.V range of Gas detectors are monitoring the levels of toxic gases such as carbon monoxide, hydrogen sulfide, nitrogen oxide, nitrogen dioxide, ammonia, oxygen, sulphur dioxide etc.

Using an electrochemical principle of detection provide high selectivity for controlled gas, high sensitivity - measurement of very low concentrations and low power consumption.

Diagnostics of the sensor ensures correct operation by monitoring the status of the sensor and communication lines.

Remote calibration using a magnetic key without opening the housing facilitates its periodic inspection and maintenance.

Gas sensors GS-220.BC.V are in a metal housing with IP65 rating.

- Catalytic gas sensors for combustible gases
- Analog current output
- ATEX certified for use in Zone 1 & 2
- IP65 metal enclosure
- LED status indication
- Non intrusive calibration via external magnetic adapter without opening the instrument

Order Code	Detected Gas	
GS-220.BC.V.ZETA.CO.500	CARBON MONOXIDE	0-500ppm
GS-220.BC.V.ZETA.NO2.30	NITROGEN DIOXIDE	0-30ppm
GS-220.BC.V.ZETA.H2S.100	HYDROGEN SULPHIDE	0-100ppm
GS-220.BC.V.ZETA.AMM.100P	AMMONIA	0-100ppm
GS-220.BC.V.ZETA.CL2.10	CHLORINE	0-10ppm
GS-220.BC.V.ZETA.O2.25	OXYGEN	0-25%Vol
GS-220.BC.V.ZETA.SO2.20	SULPHUR DIOXIDE	0-20ppm

Analogue Toxic Gas Detectors (GS-220.BC.V)

Technical Specification

Measurement Principle	Electromechanical
Measuring Range	Depending from the detected gas
Output Signal	4-20mA
Working Voltage	12 - 30VDC
Power Consumption	3W
Weight	0.6 kg
Sizes	155 x 120 x 48 mm
Enclosure Material	Aluminium
Ingress Protection	IP65
Cable Connection	Cable Gland(s) - M16/M20
Working temperature	-20 - +50 °C
Humidity	10 - 90% RH
Pressure	1 bar ± 20%
Runtime	In dependance of the sensor element
Conformity Mark	CE
ATEX Certification	II 2G Ex m_a (i_b) e IIC T4 Gb