



Geopal GP-CO

Geopal GP-CO
*Stand-alone detector
for carbon monoxide*



Geopal GP-CO is part of our new range of gas detectors. The detector continually monitors carbon monoxide concentrations up to 300 ppm.

Carbon monoxide (CO) is a very poisonous gas, typically present in underground parking areas, tunnels, garages, indoor kart racing tracks or generally in places where incomplete burning of carbon-based fuels takes place. Because carbon monoxide is odourless, colourless and tasteless, the danger will not always be obvious.

The GP-CO detector sensor signal is converted to a 4-20 mA output corresponding to the current measuring range and compatible with external control equipment, DDC/PLC controls, automation systems etc.

The analog output from the detector is linear over the entire measuring range.

Optionally, the Geopal GP-CO is available in a version equipped with relays for low alarm, high alarm and fault.

On delivery, the detector is calibrated as agreed upon and normally no further servicing will be necessary except for a regular test done with a test gas.

The detector is fitted with an electrochemical sensor, characterized by a high degree of precision and selectivity. Further, the exchange price is low and maintenance is at a minimum.



Installation with CO detector and HC detector type GP-SA.



ITS11ATEXQ7268



DBI reg.Nr. 233.301



34498

Technical Data

Description:

Specifications:

GP-CO

Gas:	Carbon monoxide (CO)
Types:	Current or relay
Measuring range:	0-300 ppm
Maximum overload:	1000 ppm
Long term stability:	< 5 % per 12 months
Repeatability:	< 5 %
Response time T ₉₀ :	< 50 sec.
Linearity:	< 5 %
Warm-up time upon installation:	30 min.
Expected operating life:	> 6 years in normal use, from date of manufacture
Supply voltage:	20-30 Volt DC
Power requirements:	20 mA
Electrical output, current:	4-20 mA, max. load 600 Ω
Electrical output, relay:	2 alarm levels and 1 fault 4-20mA, 0-5V or 0-10V
Zero adjustment:	Via potentiometer
Sensitivity adjustment:	Via potentiometer
Pressure range:	1 atm ±10 %
Operating temperature:	-10 °C to +50 °C
Operating humidity:	15-90 % rh, non-condensing
Material:	PC (polycarbonate) POM (polyoxymethylene)
Dimensions box (w x h x l):	81 x 57.5 x 82 mm
Color:	Black
Weight:	Approx. 0.3 kg
Protection:	IP56, DIN 40050
Approvals:	EN 61000-6-2, Electromagnetic compatibility (EMC) – Part 6-2: Generic standards - Immunity standard for industrial environments EN 61000-6-3, Electromagnetic compatibility (EMC) – Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
Safety:	EN 61010-1 & IEC 1010-1: Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1