

GP-O2

Geopal GP-O2 Stand-alone detector

The Geopal GP-O2 stand-alone detector is designed for industry and marine.

The GP-O2 detector uses an integrated microprocessor for continuously monitoring oxygen concentration, within 0-100 Vol.-%.

The signals of Geopal GP-O2 detector are converted to a linear output signal of 4-20 mA or 0-5/10 V.

The detector is equipped with alarm relays for low alarm, high alarm and system fault.

As an option the detector is available for pipe mounting, duct mounting and with a DIN plug for easy mounting / dismounting.

Features

Easy to calibrate

The servicing of Geopal GP-O2 requires no special tools or equipment, only a test gas with the given gas concentration. The actual calibration can be carried out by one person in less than 10 minutes, using a simple push-button system with associated light indicators.

Simple installation

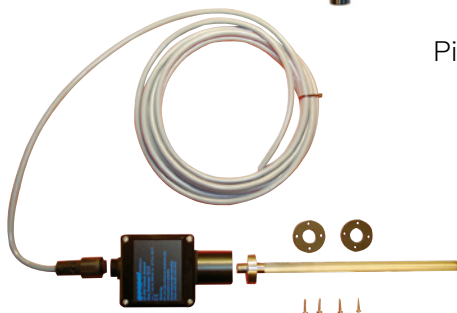
For the external wiring of the detector a three-conductor cable is normally all you need. Depending on how many relay functions are required, the number of conductors would be increased accordingly.

Sensor Life time

The expected sensor life time is
> 5 years (standard)
3 years (option low temperature)



Pipe mounted



Duct mounted

geopal®

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EA 3626EE



PENDING



ITS-I 23ATEXQ36745



DBI APPROVED INSTALLATION COMPANY
AGA: 233.301



DIC444QMS

GP-02

Supply voltage	10 to 32 V DC
Power consumption	6 W max
Available gases	Oxygen (O ₂)
Detection range	0-100 Vol.-%, 0-30 Vol.-%, 0-10 Vol.-%
Response time T90	≈15 seconds
Repeatability	+/- 5 %
Long-term stability	< 5 % FS / 12 months
Self-diagnostics	Continuous
Expected sensor life time	> 5 years (standard) 3 years (option low temperature)
Electrical output	4-20 mA / (2 mA fault), 1-5 V / (0.5 V fault), 2-10 V / (1 V fault), 0-5 V, 0-10 V
Relay outputs	2 relay outputs for alarm 1 and alarm 2 1 relay output for fault Signal contact 30 V/1 A
Material housing	Polycarbonate, black
IP rating	IP 65 DIN 60529
Weight	0,3 kg
Mechanical dimensions	150 x 80 x 60 mm
Max. operating conditions (standard)	Temperature -10 °C to +40 °C Humidity 5 %RH to 100 %RH not condensing Pressure 1013 mbar ±10%
Detector for low temperature (option)	Temperature -40 °C to +50 °C
Storage	Temperature -15 °C to +50 °C Humidity 0 %RH to 95 %RH
Approvals (Directives and Standards)	Electromagnetic Compatibility Directive (EMC) 2014/30/EU Low Voltage Directive 2014/35/EC EN 61 000-6-2 (2019); EN 61 000-6-4 (2019); EN 50 270 (2015)
Quality	ISO 9001:2015



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