

Data sheet Geopal GPM-04C



Geopal GPM-04C
Gas leak dual-line alarm monitor for connection of two detectors.



Geopal GPM-CC
Gas detector for installation in non-classified areas.



Detectors

Many different Geopal detectors can be connected to GPM-04C, for example explosion proof detector certified for application in zone 1 or standard detector. See separate data sheet.

Gas alarm monitor GPM-04C is designed for the marine market, CE compliant and in accordance with MED directive 961981.

GPM-04C is used where two detection points are needed.

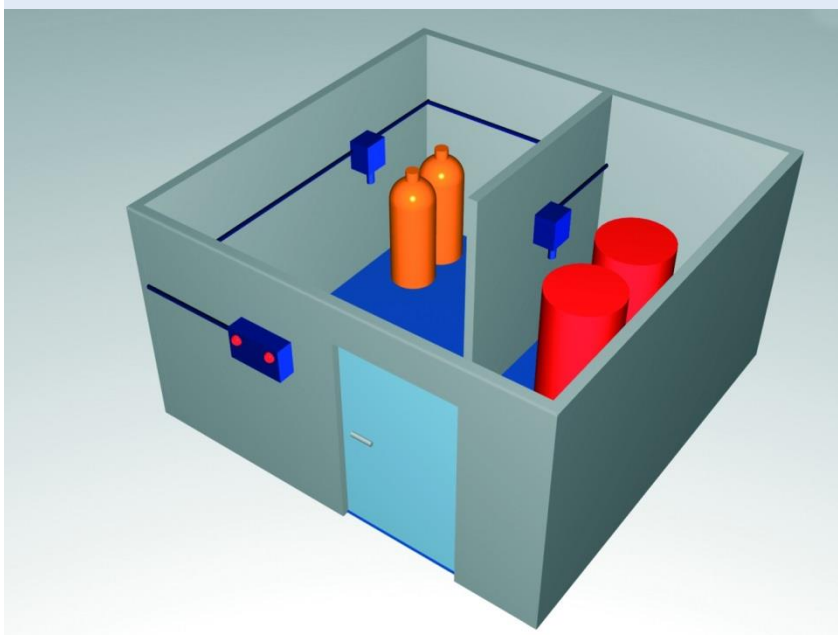
The gas alarm monitor is designed to receive and process the signal from the connected detector. It will carry out necessary follow up signal processing and set off gas warning and gas alarm. The relay circuits in the GPM-04C system have relay contacts for low alarm level, high alarm level and system fault. The relay circuits facilitate the operation of external functions like ventilation systems, magnet valves, cutting off the power supply, etc.

The gas monitor has a fault-finding circuit, which also monitors the detector cable. The fault relay is active during normal operation and will be deactivated in the event of system error, power failure, or if the switch on the front panel is set into *off* position.

Class Compliant

GPM-04C complies with DNV Clean notification, and the use of fixed leak detection systems for environmental protection (e.g. Lloyds EP Notation)

ISGOTT 24.2 Central air conditioning and ventilation systems.



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DBI reg.no. 233.301



SP14ATEX7159

GPM-04C

Supply voltage	230 VAC, 115 VAC \pm 10% (50Hz \pm 10%) 12 VDC, 24VDC $^{+30}_{-25}$ %
Power consumption	20 W max
Gases	Methane, Propane, Butane, Hydrogen, Hexane, Benzene, Ethane, Ethylene, R404A, R407C, R417A, R134A, Ammonia, H2S, CO etc.
Detection range	0-100 % LEL, 0-40,000 ppm (depends on the gas)
Response time T90, repeatability, accuracy	See detector data sheet
Relay outputs	Low and high alarm level, and system fault (for each det.) Max 380 VAC / 10 A, 125 VDC / 10 A Resistive: 250 VAC / 10A AC1: 230 V 7.5 A AC15: 230 V 2.0 A
Indicators	Green, red and yellow LED plus internal sound indicator
Cable between detector and monitor	3-conductor (1 or 1.5 mm ²) shielded
Front panel	Aluminum plate with dull green front foil
Material housing	ABS/Polycarbonate
IP rating	IP 65 DIN 60529
Weight	2.0 kg
Mechanical dimensions	(HWD) 217 x 257 x 132.5 mm
Max operating conditions	Temperature +5 °C to +55 °C Humidity 0 %RH to 95 %RH Pressure 1013 mbar \pm 10%
Storage	Temperature -25 °C to +55 °C Humidity 0 %RH to 95 %RH
Approvals (<i>Directives and Standards</i>)	Electromagnetic Compatibility Directive (EMC) 2014/30/EU Low Voltage Directive 2014/35/EC EN 60 204-1; EN 61 010-1; EN 61 326-1 (2013); EN 61 000-6-2 (2005); EN 61 000-6-3 (2012); EN 50 270 (2015) MED directive 961981 IACS E10: 2006 IEC 60 945:2002 and Corrigendum 1: 2008 IEC 60 092-504:2001-03 IEC 60 533:1999-11
Quality	ISO 9001:2015

