GP-NOVA

Geopal GP-NOVA
Stand-alone detector

The GP-NOVA is designed, built, and manufactured to offer safe, easy, and intuitive operation.

It can be tailored to meet individual end-user needs.

Control and configuration of GP-NOVA is done by either touch buttons or Geopal mobile app, eliminating the need of additional accessories/ tools. Furthermore, the GP-NOVA is tested and calibrated before shipment, reducing the effort required during system installation and commissioning.

Features

Visual Indication
Status LED bars visible from distance of ≥ 10 m.
Green: Active, Red: Alarm
Yellow: Fault/Service,
Blue: Bluetooth connection

OLED Display
Clear and bright independent of viewing angle

Optical Buttons
No need for a magnetic wand

Analog Output
Configurable galvanically isolated 4-20 mA loop

Digital Output
RS-485 Modbus RTU

Relay Output
Alarm 1, 2 and Fault

Logger and Blackbox Function
Logs up to 2000 events

All events and logs are stored on a microSD card

Bluetooth Communication
Quick and easy way of configuring, monitoring, and servicing via Geopal mobile app

Download on the App Store

GET IT ON Google Play

geopal®

Bygmarken 19 • DK-3520 Farum
+45 4567 0600 • info@geopal.dk • www.geopal.dk

EA 9210DE

SIL2 SAFETY INTEGRITY LEVEL

Ex

DBI APPROVED INSTALLATION COMPANY AGA: 233.301

Intertek

PENDING   ITS-I 23ATEXQ36745   DBI reg. no 233.301   DIC444QMS

Supply voltage	18-36 VDC, Nominal 24 VDC
Power consumption	6.5 W max.
Target gas	Explosive and Toxic. For more details, contact Geopal
Measuring range	0-100 %LEL, 0-20000 ppm, 0-100 VOL%
Response time T90	Sensor dependent, please contact Geopal
Repeatability	+/- 5 %FS
Long-term stability	< 5 %FS / 12 months
Self-diagnostics	Continuous
Sensor technology	Catalytic, Electrochemical, and NDIR
Signal output	Galvanically isolated, source 4-20 mA with configurable warning and fault signals RS-485 Modbus RTU
Relays	Alarm 1, 2, and Fault Configurable alarm ON/OFF setpoints Energized or de-energized alarm relays Configurable delay time 1 A @ 30 VDC; 1 A @ 250 VAC
Material housing	Transmitter: Aluminum Sensor: Stainless steel
IP rating	IP 65
Weight	--
Dimensions	Transmitter: 142x167x116 (HxWxD in mm) For sensor dimensions, please contact Geopal
Operating conditions	Transmitter: Temperature -40 °C to +60 °C Humidity 0 %RH to 95 %RH non-condensing Pressure 1013 mbar ±10 % For sensors operating conditions, please contact Geopal
Recommended storge temperature	0 °C to +25 °C
Approvals (Directives and Standards)	Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU Radio Equipment Directive 2014/53/EU EN 61000-6-2:2005, EN 61000-6-4:2007+A1:2011 EN 301 489-1 V2.1.1 (2017:p02), EN 301 489-17 V3.1.1: (2017:02) EN 50270:2015 ATEX directive 2014/34/EU EN IEC 60079-0:2018, EN 60079-1:2014 IECEx compliance with IEC standards IEC 60079-0, Ed. 7 (2017), IEC 60079-1, Ed. 7 (2014-06) Functional safety IEC 61508, EN50402
Quality	ISO 9001:2015