# GP-NOVA-M



Download on the App Store

GET IT ON Google Play

## Geopal GP-NOVA-M
## Stand-alone detector

The GP-NOVA-M is designed, built, and manufactured to offer safe, easy, and intuitive operation at an attractive price point.

Control and configuration of GP-NOVA-M are done by either touch buttons or Geopal mobile app, eliminating the need of additional accessories/tools. It can be tailored to meet individual end-user needs.

Furthermore, the GP-NOVA-M is configured, 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: Wireless 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
Configurable alarm ON/OFF setpoints
Energized or de-energized alarm relays
Configurable delay time

Logger and Blackbox Function
Logs up to 2000 events
Time-stamped signal monitoring, can be viewed and forwarded any time via app
All events and logs are stored on a microSD card.
Memory containing system settings is battery driven, for quick startup after power cycling

Wireless Communication
Quick and easy way of configuring, monitoring, and servicing via Geopals mobile app

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

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

EA 9310CE

# GP-NOVA-M

| | |
|---|---|
| Supply voltage | 18-36 $V_{DC}$, Nominal 24 $V_{DC}$ |
| Power consumption | 6.5 W max. |
| Target gas | Explosive and Toxic. For more details, contact Geopal System A/S |
| Measuring range | 0-100 %LEL, 0-90000 ppm, 0-100 VOL% |
| Response time T90 | Sensor dependent, please contact Geopal System A/S |
| Repeatability | +/- 5 %FS |
| Long-term stability | < 5 %FS / 12 months |
| Self-diagnostics | Continuous |
| Sensor technology | Application dependent, please contact Geopal System A/S |
| Signal output | Galvanically isolated, source 4-20 mA with configurable warning and fault signals<br>RS-485 Modbus RTU |
| Relays | Alarm 1, 2, and Fault<br>Configurable alarm ON/OFF setpoints<br>Energized or de-energized alarm relays<br>Configurable delay time<br>1 A @ 30 $V_{DC}$; 1 A @ 250 $V_{AC}$ |
| Housing material | Transmitter: Aluminum<br>Sensor: Stainless steel |
| IP rating | IP 65 |
| Weight | -- |
| Dimensions | Transmitter: 142x167x116 (HxWxD in mm)<br>For sensor dimensions, please contact Geopal System A/S |
| Operating conditions | Transmitter:<br>Temperature -40 °C to +60 °C<br>Humidity 0 %RH to 95 %RH non-condensing<br>Pressure 1013 mbar ±10 %<br>For sensors operating conditions, please contact Geopal System A/S |
| Recommended storge temperature | 0 °C to +25 °C |

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

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

EA 9310CE

# GP-NOVA-M

| | |
|---|---|
| Approvals | **Low Voltage Directive** 2014/35/EU<br>**EMC Directive** 2014/30/EU<br>**Radio Equipment Directive** 2014/53/EU<br>EN 61000-6-2:2005+AC:2005 + EN 61000-6-2:2019<br>EN 61000-6-4:2007+A1:2011 + EN 61000-6-4:2019<br>EN 301 489-1 V2.2.3<br>EN 301 489-17 V3.2.4<br>EN 300 328 V2.2.2, sec 4.3.2.9<br>EN 50270:2015+AC:2016<br>**ATEX Directive** 2014/34/EU<br>EN IEC 60079-0:2018<br>EN 60079-1:2014 |
| EU-Type certificate no. | TPS 20 ATEX 108952 0001 X<br>TÜV 16 ATEX 176482 X<br>**IECEx compliance with IEC standards**<br>IEC 60079-0, Ed. 7 (2017)<br>IEC 60079-1, Ed. 7 (2014-06) |
| IECEx-certificate no. | TPS 20.0031X<br>TUN 11.0006X |
| Notified body No. | 0123, 0044 |
| Performance | EN60079-29-1:2016 |
| Quality | ISO 9001:2015 |

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

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