

GMA36 Pro

Controller and Transmitter in one unit



- For toxic gases, oxygen and hydrogen
- Flexible wall-mount gas monitor
- Plug-in Smart Sensors
- Large LCD-Display
- AutoCal for easy and quick calibration
- 3-key control, simplified maintenance

Worldwide Supplier Of Gas Detection Solutions



GMA36 Pro - Reliable monitoring

The GMA36 Pro is an intelligent and flexible monitoring device for continuous surveillance of toxic gases, oxygen and hydrogen.

Alarm in case of gas hazard

An alarm is triggered, if the gas concentration reaches a preset threshold. The GMA36 Pro features two alarm levels. An alarm is shown by the corresponding alarm LED. Simultaneously with the alarm LEDs the GMA36 Pro activates the relevant alarm relay. Exceeding the second exposure limit activates a built-in horn and the buzzer relay is switched additionally.

3 relays are available:

- 2 alarm relays for controlling external alarm annunciators, valves etc.
- 1 buzzer relay for exceeded alarm limit 2 or malfunction.

Simple operation

The configuration and calibration is menu-driven and easily controllable by the 3 keys. This makes operation

and maintenance simpler and enhances operational reliability enormously.

The **AutoCal program** automatically adjusts the measurement signal to the test gas.



Large Display

The large display continuously shows the measured gas concentration, exceeded thresholds and operational status.



Plug-in Smart Sensors

The electrochemical Smart Sensors integrated in the GMA36 Pro are plug-in and easily replaceable – without opening the housing. No other adjustments are required – No waste of time and costs.

The unit is protected against dust and splash water (IP54).

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Technical Data

Detection principle:

electrochemical

Response time t_{90} :

depends on type of gas

Gas supply:

by diffusion

Humidity:

15 .. 96 % r.h.

Temperature:

-25°C .. +55°C (storage)
-15°C .. +45°C (operation)

Pressure:

920 .. 1080 hPa

Supply voltage:

85 .. 264V / 50 .. 60Hz

Power consumption:

< 5W

Display:

big 4-digit LCD

Relay outputs:

Max. switching voltage:
250V AC 50/60Hz resp. 250V DC

Max. switching current:

5 A AC/DC

Dimensions and weight:

135 x 247 x 95 mm (WxHxD)
900 g

Ingress protection:

IP54

Housing material:

Compound (PS)

Sensor holder material:

stainless steel

Electro-magnetic compatibility (EMC):

according to
EN 61000-6-3 resp. EN 61000-6-4
and EN 50270 Type 1 and Type 2



Gases and Detection ranges (ppm)

All detection ranges are scaleable - except HF and O₃ (0 - 1 ppm)

Ammonia NH ₃	Chlorine Cl ₂	Chlorine dioxide ClO ₂	Hydrogen chloride HCl	Hydrogen cyanide HCN	Ethylene oxide C ₂ H ₄ O	Hydrogen fluoride HF	Carbon monoxide CO
0 - 200 0 - 500 0 - 1000	0 - 50 0 - 250	0 - 2	0 - 30 0 - 200	0 - 50 0 - 200	0 - 100	0 - 10	0 - 500 0 - 2000

Ozone O ₃	Phosgene COCl ₂	Oxygen O ₂	Sulphur dioxide SO ₂	Hydrogen sulphide H ₂ S	Silane SiH ₄	Nitrogen dioxide NO ₂	Nitrogen monoxide NO	Hydrogen H ₂
0 - 1 0 - 5	0 - 2	0 - 30 Vol.-%	0 - 50 0 - 500	0 - 200 0 - 1000	0 - 50	0 - 50 0 - 200	0 - 300 0 - 1500	0 - 2000 0 - 1 Vol.-% 0 - 4 Vol.-%



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