

Explorer Gas Point

Stand alone gas detector

The Gas Point is an economical, microprocessor-based gas detector for continuous monitoring of toxic gases, oxygen or inflammable gases.

Non intrusive calibration and maintenance is performed using a magnetic wand to access the software through the enclosure window – no need to open the enclosure (and obtain special area permits) to perform routine calibrations.

Easy to install

The enclosure provides two mounting holes.

The instrument only need to be connected to the power supply (24 Vdc).



LCD graphic display

The backlight LCD graphic display shows the gas reading, with wide and visible numbers, together with the measure unit and the gas name.

Tapping a magnetic wand at the three buttons through the window gives full access to the menu and the calibration procedure.

No need for an additional handheld terminal.

The display can show also a bar graph of the concentration.

The alarm and the fault signal are indicated by three flashing bright red leds.



Calibration and maintenance

Calibration procedure is fully automatically, and it is non-intrusive by the magnetic wand.

New spare sensor can be easily put into the Gas Point by the factory precalibrated interface.

Versatility and reliability

In the programming mode it is possible to change the gain, the off-set, two alarm thresholds, the average, the full scale value, the sensor fail event.

So, it is possible to use the same control unit with all catalytic, galvanic or electrochemical sensors.

High sensitivity, long term stability and no false alarms are the hallmark of the new and improved sensors.

Fastest response to the target gas combined with minimal interference by other gases or environmental influences as well as the sensor life-time determine the reliability and the operating cost of a system.

Moreover, Gas Point has an analog 4-20 mA output, for remote control or to transmit the alarm signal.

Integrated control on the power supply assures the correct work also in the case of unstable voltages.

Certifications

Waterproof enclosure:

ATEX  IIGD EX d t DA IIC T6

CE – electromagnetic compatibility

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TECHNICAL DATA

Enclosure	Wall mounting explosion proof
Gases and ranges	Inflammable 0 – 100 % LEL CH ₄ calibration or other on request
	O ₂ 0 – 30 % vol.
	CO 0 – 2.000 ppm
	H ₂ S 0 – 500 ppm 0 – 1.000 ppm
	SO ₂ 0 – 100 ppm 0 – 500 ppm
	NO 0 – 1.500 ppm
	NO ₂ 0 – 200 ppm
	HCl 0 – 100 ppm
	HCN 0 – 200 ppm
	H ₂ 0 – 2.000 ppm
	Cl ₂ 0 – 250 ppm
	NH ₃ 0 – 200 ppm
	ETO 0 – 100 ppm
	THT 0 – 50 mg/m ³
	TBM 0 – 50 mg/m ³
Size	Ø 110 x h 120 mm
Weight	1,5 Kg
Display Graphic	LCD backlighted direct readout: <ul style="list-style-type: none">▪ gas measure▪ gas name (formula)▪ measuring unit▪ alarms (ALARM1 or ALARM2)
Power supply	24 V DC
Allarms	2 programmable leves, with flashing red leds + 1 fault level
Analog input	Direct connection to the sensor
Analog output	4 – 20 mA, 2 output for each alarm level + 1 output for fault
User interface	Magnetically accessed keys for programming and calibration
Conditions	Temperature -20°C to +55°C Humidity 0% to 95% non-condensing Pressure atmosferic
Programmable	Menu languages (Italian and English) and other settings
CERTIFICATIONS	ATEX IIGD EX d t DA IIC T6 - CE