

Gas Meters

Gasman N



Personal gas detector with ATEX approval for flammable gases (Ex), oxygen (O₂) and toxic gases (CO, CO₂, H₂S, ... etc.)

This Gasman N personal gas monitor is compact and lightweight yet designed to withstand the toughest of industrial environments. It is easy to use and it emits warnings in the case of danger caused by the presence of dangerous gases. This gas detector includes fully interchangeable i-module sensors and it is operated with one hand. The Gasman N is the most flexible gas detector that is available on the market. The Gasman N possess ingress protection IP65 and IP67 and it sets new standards for personal gas monitors for flammable gases, oxygen and toxic gases.

- Dimensions: **90 x 48 x 24 mm**
- Ultra lightweight: **90 to 130 g** (according to sensor)
- Approval codes: ATEX and UL for USA and Canada
- Continuous indicator in % LEL, vol %, ppm
- Memory for data storage
- Display with backlight: reading, peak and average values
- Multiple alarms sound using a selection of distinctive tones for different alarm levels
- Ingress protection IP65/67
- Battery types: rechargeable Li-ion battery / non rechargeable lithium cell



Technical specifications

Gas type	CH ₄ flammable	O ₂ oxygen	O ₃ ozone	H ₂ S hydrogen sulphide	CO carbon monoxide	CO ₂ carbon dioxide	SO ₂ sulphur dioxide	Cl ₂ chlorine	NO ₂ nitrogen dioxide	H ₂ hydrogen
Range	0 to 100 % LEL	0 to 25 vol%	0 to 1 ppm	0 to 100 ppm	0 to 500 ppm	0 to 3 vol%	0 to 10 ppm	0 to 5 ppm	0 to 10 ppm	0 to 1000 ppm
Alarm	20 % LEL	19 and 23 vol%	0.1 ppm	5 ppm	30 ppm	0.5 a. 1.5 vol%	1 ppm	0.5 ppm	1 ppm	100 ppm
Response time	flammable gases: 20 sec., toxic gases 20 sec., oxygen 10 sec.									
Audible alarm	95 dBA, multiple alarm sounds allow selection of distinctive tones for different alarm levels									
Visible alarm	dual colour red/blue flashing LEDs in gas hazard									
Vibrating alarm	internal vibrating alarm									
Display	custom LCD with backlight, with display of gas concentration. Graphic symbols for battery (with proportional indication of remaining operation time), and display mode. Start up indication when calibration is due within 30 days. Calibration overdue, or service required									
Display mode	normal display for real time gas concentration levels. Display recall for Peak readings and TWA									
Protocol	5000 capacity event logging to record all instrument events including: switch on / off, battery status, alarms activate/clear, peak values, gas test pass or fail. All events are time stamped									
Datalogging (more expensive)	full timed datalogging with adjustable sample rate, set to 1 minute data rate. 900 hours storage at 1 minute interval.									
Battery types	rechargeable Li-ion battery (flammable gases) non rechargeable Lithium cell (toxic gases and oxygen)									
Operating time	rechargeable: 12 hours minimum for flammable unit non rechargeable: up to 1 year									
Sampling	optional manual aspirator									
Operating conditions	-20 to +55 °C / 0 to 99 % r.h.									
Approval codes	ATEX II 1G EEx ia IIC T4 (T amb. -20 °C to +55 °C) toxic gases and oxygen ATEX II 2G EEx iad IIC T4 (T amb -20 °C to +55 °C) flammable gases									
Standards	EN50014, EN50020, EN50018, 94/9/EC, EN50270, EN50271, EN61779 software designed to meet IEC61508									
Ingress protection	IP65 / IP67									
PC interface	RS-232 connection from interface module in charger. RS232 / USB convertor available									
Autocalibrator	Gasman can be routinely calibrated using the autocalibrator II in conjunction with the PC software									
Accessories	Gasman is supplied with an integral pocket clip									
Charger	single way drop in charger with options of UK, European or US style plug in mains supplies, or in line universal supply. Optional PC interface module within the single way charger. Vehicle lighter socket lead available.									

Contents

Personal gas detector, pocket clip, lithium cell or batteries and user's manual

Optional accessories

LADE-G-N	230 V battery charger
LADE12V-G-N	Vehicle lighter socket, 12 volt
INT-G-N	230 V battery charger with interface
SW-G-N	Software for PC PC
RS232-G-N	RS-232 interface
RS232-USB	RS-232 to USB interface adapter
ASP-G-N	Manual aspirator (Handbalg), not for ozone, chlorine and nitrogen dioxide
ESS-G-N-CH ₄	CH ₄ Spare sensor
ESS-G-N-O ₂	O ₂ Spare sensor
ESS-G-N-O ₃	O ₃ Spare sensor
ESS-G-N-H ₂ S	H ₂ S Spare sensor
ESS-G-N-CO	CO Spare sensor
ESS-G-N-CO ₂	CO ₂ Spare sensor
ESS-G-N-SO ₂	SO ₂ Spare sensor
ESS-G-N-Cl ₂	Cl ₂ Spare sensor
ESS-G-N-NO ₂	NO ₂ Spare sensor
ESS-G-N-H ₂	H ₂ Spare sensor
CAL-G-N	Calibration and maintenance (e.g. every 6 months)

Model No.

Description

Gasman-N-CH ₄	Personal CH ₄ detector with accumulator (battery charger necessary)
Gasman-N-O ₂	Personal O ₂ detector with battery
Gasman-N-O ₃	Personal O ₃ detector with battery
Gasman-N-H ₂ S	Personal H ₂ S detector with battery
Gasman-N-CO	Personal CO detector with battery
Gasman-N-CO ₂	Personal CO ₂ detector with accumulator (battery charger necessary)
Gasman-N-SO ₂	Personal SO ₂ detector with battery
Gasman-N-Cl ₂	Personal Cl ₂ detector with battery
Gasman-N-NO ₂	Personal NO ₂ detector with battery
Gasman-N-H ₂	Personal H ₂ detector with battery

You cannot use the manual aspirator with chlorine, nitrogen dioxide and ozone.
With the Gasman-N-CH₄ you can select the gas: methane, propane, butane etc.