Personal Monitor
For oxygen, toxic
or flammable gases

Gasman   A personal monitor you can trust

Gasman sets new standards for personal gas monitors for flammable, oxygen and toxic gases. Designed for use in the toughest environments Gasman offers an unbeatable combination of powerful loud and bright alarms with a stunningly compact and lightweight design.
Together with its rugged impact resistant construction and compliance to IP65 and IP67 Gasman is the ideal choice for personal monitoring in demanding industrial environments.

Simple
- True one button operation
- Easy to read LCD display with backlight
- Clear indication of operating status
- 30 Days advance calibration due warning

Assurance
- 95dBA audible alarm
- Striking twin red/blue visual alarm
- Internal vibrating alarm
- 2 levels of instantaneous alarm
- Time weighted average alarms for toxic versions

Robust
- Tough polycarbonate housing
- Full elastomeric overmoulding
- High impact resistance
- IP65 and IP67 compliant

Flexible
- Fully interchangeable i-module sensors
- Flammable toxic and oxygen sensors available
- Rechargeable version for all gas types
- Dry cell versions for toxics and oxygen
- Data and event logging

CROWCON
Gas Detection You Can Trust

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Specification

Weight	130g flammable
	95g oxygen
	80g toxic

Dimensions	90x48x24mm (3.5x1.9x0.95inch) HxWxD

Available Gases and ranges

Gas	Range	Alarm UK and ROW	Alarm US
Flammable	0-100% LEL	20% LEL	10% LEL
Oxygen	0-25%	19.5/23.5%	19.5%
Hydrogen Sulphide	0-50ppm	5ppm	10ppm
Carbon Monoxide	0-500ppm	30ppm	35ppm
Sulphur Dioxide	0-10ppm	1ppm	2ppm
Chlorine	0-5ppm	0.5ppm	0.5ppm
Nitrogen Dioxide	0-10ppm	1ppm	3ppm
Ammonia	0-50ppm	25ppm	25ppm
Ozone	0-1ppm	0,1.ppm	0.1ppm
Hydrogen	0-1000ppm	N/A	N/A
Hydrogen Cyanide	0-25ppm	5ppm	5ppm
Hydrogen Chloride	0-10ppm	1ppm	1ppm
Hydrogen Fluoride	0-10ppm	5ppm	5ppm
Phosphine	0-5ppm	0.2ppm	0.2ppm
Fluorine	0-1ppm	0.1ppm	0.1ppm
Ethylene Oxide	0-10ppm	5ppm	5ppm
Nitric Oxide	0-100ppm	25ppm	50ppm

Other ranges and alarm levels are available on request. Each unit can have two instantaneous alarms levels set. Toxic units also have Time Weighted Average alarms.

Flammable gas calibration is available for methane, propane, butane, pentane, hydrogen and ethylene as standard.

Typical response times	Flammable 20s, Toxic gas 20s, Oxygen 10s

Audible Alarms	95dBA
	Multiple alarm sounds allow selection of distinctive tones for different alarm levels.

Visible Alarms	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.

Datalogging	Full timed datalogging with adjustable sample rate, set to 1 minute data rate. 900 hours storage at 1 minute interval. >4800 capacity event logging to record all instrument events including: Switch on/off, Battery status, Alarms activate/clear including peak values of response, Gas Test pass or fail. All events are time stamped

BatteryTypes	Rechargeable Li-ion battery
	Non rechargeable Lithium Cell

Operating Time	Rechargeable: 12 hours minimum for flammable unit
	Non rechargeable: Up to 2 years

Note: Operating time will depend on operating pattern and alarm occurrence. Frequent or long lasting alarms and use of the optional confidence beep will reduce battery life.

Sampling	Optional manual aspirator

Operating temp, range	–20°C to +55°C (-4°F to +131°F)

Humidity	0-99% RH

Approval Codes	
Europe	ATEX II 1G EEx ia IIC T4 (Tamb -20°C to +65°C) Toxic Oxygen
	ATEX II 2G EEx iad IIC T4 (Tamb -20°C to +65°C) Flammable
USA/Canada	Class 1 Groups A, B, C, D Division 1

Standards Safety	
Europe	EN50014, EN50020, EN50018, 94/9/EC
USA & Canada	UL913, CSA22.2, 152
Operation	EN50270, EN50271, IEC61508, EN61779 Software designed to meet IEC61508

Ingress Protection	IP65 and IP67

PC Interface	RS232 connection from Interface module in charger. RS232/USB convertor available

Autocalibrator	Gasman can be routinely calibrated using the Crowcon Autocalibrator II in conjuction 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. 5 way multicharger with universal power supply.

Optional accessories include: alligator clip, universal harness plate, shoulder strap, chest harness, aspirator assembly (flow plate, bulb and 2m/6ft tubing) and Gas Test Kit.

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Crowcon reserves the right to change the design or specification of this product without notice