CO_2
H_2S
Cl_2
NH_3
O_3
CO
O_2
CH_4
SO_2
CO_2
H_2S

Gasman

Personal Single Gas Monitor
Flammable, Oxygen and Toxic Gases

Gasman

With rugged impact resistant construction and compliance to IP65, Gasman offer a wide range of gases including six flammable calibration options.

Designed for use in the toughest environments Gasman gives an unbeatable combination of powerful loud and bright alarms with a stunningly compact and lightweight design.

Simple
- True one button operation
- Easy to read backlit display for gas diagnostics and operating status
- Clear calibration due warning

Alarms
- 95dBA audible alarm
- Striking twin red/blue visual alarm
- Internal vibrating alarm
- 2 levels of instantaneous alarm and TWA alarms for toxic versions

Robust
- Tough polycarbonate housing
- Full overmoulding giving high impact resistance
- Water and dust resistant to IP65

Flexible
- Flammable, toxic and oxygen sensor solutions
- Rechargeable and Li-ion battery versions available
- Extensive data and event logging
- Fully interchangeable intelligent sensor modules

CROWCON
Gas Detection You Can Trust

Gasman

Gasman is a range of rugged, compact single gas personal monitors designed for use in the toughest environments.

Gases and Ranges

Required ranges and alarms may vary by country and application and these can be configured as required. Each gas channel can have two instantaneous alarm levels set. Toxic units also have Time Weighted Average (TWA) alarms.

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

Gasman is also available in a safe area CO_2 version offering 0-5% carbon dioxide measurement.

Typical ranges and alarms

Gas	Range	Standard Alarm (UK)
Flammable	0-100% LEL	20% LEL
Oxygen	0-25%	19/23%
Hydrogen sulphide	0-100ppm	5ppm
Carbon monoxide	0-500ppm	30ppm
Sulphur dioxide	0-20ppm	1ppm
Chlorine	0-20ppm	0.5ppm
Nitrogen dioxide	0-20ppm	1ppm
Ammonia	0-100ppm	25ppm
Ozone	0-1ppm	0.1ppm
Hydrogen	0-2000pm	N/A
Hydrogen cyanide	0-25ppm	5ppm
Hydrogen fluoride	0-10ppm	1ppm
Phosphine	0-5ppm	0.2ppm
Fluorine	0-1ppm	0.1ppm
Phosgene	0-1ppm	0.1ppm
Nitric oxide	0-100ppm	25ppm
Carbon dioxide	0-5%	0.5%

Gas Test Kit

The Gas Test Kit provides a simple and convenient means of carrying out either a pre-use (bump) test or a calibration.

Charging Options

The Gasman can be supplied with:

- Single unit charger with UK, EU or US plug or in-line 110V/230V supply
- Comms charger with options as above including PC interface
- 5-way multicharger with universal power supply
- Vehicle lighter socket charger for in-vehicle charging

A HALMA COMPANY

Specification:

Weight	Flammable 138g (4.87oz) Toxic 118g (4.16oz) Oxygen 129g (4.55oz) Carbon monoxide 139g (4.90oz)
Dimensions	90 x 48 x 24mm (3.5 x 1.9 x 0.95 inches) H x W x D
Typical Response Times (T_{90})	Flammable 20s, Toxic Gas 20s, Oxygen 10s
Audible Alarms	95dB 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 Modes	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 as default. 900 hours storage at 1 min interval (54,000 logs), >4800 events
Battery	Rechargeable Li-ion battery for all gas types Non rechargeable Lithium battery for toxics and oxygen (excluding CO_2)
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 +65°C (-4°F to +149°F) Toxic and oxygen sensors are not rated for continuous operation at high temperatures. Consult Crowcon if operating temperatures are likely to exceed 40°C (104°F) for extended periods.
Humidity	20-90% RH
Ingress Protection	IP65
Approval Codes *Europe*	Toxic/O_2 : ATEX II 1G Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +65°C) BASEEFA04ATEX0384 Flammable : ATEX II 2G Ex ia d IIC T4 Gb (-20°C ≤ Ta ≤ +65°C) BASEEFA04ATEX0383
International	Toxic / O_2 : IECEx BAS05.0039 Flammable : IECEx BAS05.0038
N. America	CSA Class 1 Groups A, B, C, D Division 1
Standards Safety *Europe* *N. America*	EN60079-0, EN60079-11, EN60079-1, 94/9/EC CSA22.2, 152
Operation Standards	EN50270, EN50271, IEC61508, EN61779, EN45544
PC Interface	RS232 connection from Interface module in charger RS232/USB converter available
Calibration	Gasman can be routinely calibrated using Portables PC software or by using Checkbox IMH
Accessories	Gasman is supplied with an integral alligator clip.
Optional Accessories	Hard hat harness, universal harness plate, shoulder strap, chest harness, leather case, aspirator assembly (flow plate, bulb and 2m/6ft tubing) and Gas Test Kit.

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

Area reserved for distributor stamp

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