



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

## Specification

<b>Weight</b>	130g flammable 95g oxygen 80g toxic
<b>Dimensions</b>	90x48x24mm (3.5x1.9x0.95inch) HxWxD
<b>Available Gases and ranges</b>	
<b>Gas</b>	<i>Range</i> <i>Alarm UK and ROW</i> <i>Alarm US</i>
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                              0.1ppm                              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

<b>BatteryTypes</b>	Rechargeable Li-ion battery Non rechargeable Lithium Cell
<b>Operating Time</b>	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.	
<b>Sampling</b>	Optional manual aspirator
<b>Operating temp, range</b>	-20°C to +55°C (-4°F to +131°F)
<b>Humidity</b>	0-99% RH
<b>Approval Codes</b>	
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
<b>Standards</b>	
<b>Safety</b>	
Europe	EN50014, EN50020, EN50018, 94/9/EC
USA & Canada	UL913, CSA22.2, 152
<b>Operation</b>	EN50270, EN50271, IEC61508, EN61779 Software designed to meet IEC61508
<b>Ingress Protection</b>	IP65 and IP67
<b>PC Interface</b>	RS232 connection from Interface module in charger. RS232/USB convertor available
<b>Autocalibrator</b>	Gasman can be routinely calibrated using the Crowcon Autocalibrator II in conjunction with the PC software.
<b>Accessories</b>	Gasman is supplied with an integral pocket clip.
<b>Charger</b>	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.	