



## Personal Monitors for oxygen, toxic and flammable gas

# Gasman II

**Gasman II is the single gas monitor that you can rely on.** It is light and comfortable to wear but tough enough to withstand the harshest conditions. With the widest range of sensors and longest battery life available, you can be sure it won't let you down.

### Compact and lightweight:

- Comfortable to wear all day in pocket or on belt.

### Oxygen, toxic and flammable gas versions available:

- Intrinsically safe for use in hazardous areas.
- One year dry cell life for toxic and oxygen models.

### Highly visible and audible alarms:

- Piercing 85 dBA siren.
- Intense red flashing lights.
- Confidence 'blip'.

### Rugged casing:

- Triax™ casing will not break, crack or shatter.
- Water and dust resistant to IP66 standard.
- Optional rubber boot available for particularly harsh environments.

### Easy and safe to use:

- Large backlit display.
- Double-action 'off button' prevents accidental deactivation.
- Front panel calibration/zero controls.

### Comprehensive PC interface:

- Windows™ compatible.
- Custom software for simple instrument configuration and data collection.

## Specification

<b>Weight</b>	210g (7.5 ounces), including batteries		
<b>Dimensions</b>	130h x 60w x 30d mm (5.1h x 2.4w x 1.2d inches)		
<b>Typical measuring ranges and alarm settings</b>	<i>Range</i>	<i>Alarm</i>	
	Methane	0-100% LEL	20% LEL
	Hydrogen sulphide	0-50, 0-100, 0-250ppm	5ppm
	Carbon monoxide	0-500ppm	30ppm
	Sulphur dioxide	0-10ppm	2ppm
	Chlorine	0-5ppm	0.5ppm
	Nitrogen dioxide	0-10ppm	2ppm
	Phosphine	0-5ppm	0.5ppm
	Ammonia	0-50ppm	25ppm
	Hydrogen cyanide	0-25ppm	10ppm
	Hydrogen (non-flammable level)	0-999ppm	100ppm
	Oxygen	0-25%	19%&23%

Up to two levels of alarm are available for each unit.  
Further toxic gas ranges available.

<b>Typical response times T90</b>	Methane 20 seconds
	Oxygen 10 seconds
	Typical Toxic Gas 20 seconds

<b>Expected sensor life</b>	Flammable	5 years
	Toxic	3 years
	Oxygen	1 year minimum

<b>Audible alarms</b>	85 dBA at 1 m, selectable tones
	Confidence blip (selectable)
	Triple beep every 10 seconds for low battery

<b>Visible alarms</b>	Ultra bright flashing red LED pair
	Display indicates alarm types

<b>Display</b>	7 segment high contrast LCD, 10mm character height, with backlight
	Symbols for Peak hold, Low battery, Zero mode, Calibration mode, Alarm 1, Alarm 2, 15 min TWA, 8 hour TWA

<b>Datalogging</b>	Adjustable sample rate, 30-3000 hours @ 1 minute sample rate (depending on gas concentration)
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### Battery life

Toxic gas/oxygen models (3x AA alkaline):  
3000 hrs (12 months normal intermittent use)

Flammable gas models (Nickel hydride rechargeable)  
12 hours battery life (16 hours recharge time)  
8 hours battery life (11 hours recharge time)

<b>Operating temp. range</b>	-20°C to +50°C (-4°F to 122°F)
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<b>Humidity</b>	0-95% RH non condensing
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<b>Approval codes</b>	Europe	ATEX II 2G EEx iad IIC T3 (-20°C to +40°C) rechargeable ATEX II 2G EEx ia IIC T4 (-25°C to +50°C) toxic, oxygen
	USA & Canada	Class 1 Division 1 groups A,B,C,D

<b>Standards</b>	Europe	EN50014, EN50018, EN50020
	USA & Canada	UL913

<b>Ingress protection</b>	IP66
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<b>RF radiation</b>	EN50081-2
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<b>RF/ESD immunity</b>	EN50082-2
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<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Combined belt and pocket clip</li> <li>• Rubber boot</li> <li>• Calibration adaptor/aspirator</li> <li>• Charger/comms interface unit</li> <li>• Multi-way charger</li> </ul>
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<b>Instructions</b>	<ol style="list-style-type: none"> <li>1. Single press of large button turns instrument on.</li> <li>2. Clear LCD display gives gas values and instrument status.</li> <li>3. Peak values can be toggled on and off with the small button.</li> <li>4. Small and large button must be depressed together to turn the instrument off.</li> </ol>
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<b>User adjustments</b>	<p>With instrument switched off:</p> <ol style="list-style-type: none"> <li>1. Small button is used to scroll through zero, calibrate, alarm 1, alarm 2, STEL and LTEL options.</li> <li>2. Adjustable control knob beneath the captive cover alters the display values.</li> </ol>
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