

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.



INGENIEROS ASOCIADOS DE CONTROL S.L.

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Specification

Weight	210 g (7.5 ounces), including batteries		
Dimensions	130h x 60w x 30d mm (5.1h x 2.4w x 1.2d inches)		
Typical measuring ranges and alarm settings		Range	Alarm
	Methane	0 – 100% LEL	20% LEL
	Hydrogen sulphide	0-50, 0-100, 0-250 ppm	10ppm
	Carbon monoxide	0 – 500 ppm	30 ppm
	Sulphur dioxide	0 – 10 ppm	2 ppm
	Chlorine	0 – 5 ppm	0.5 ppm
	Nitrogen dioxide	0 – 10 ppm	2 ppm
	Phosphine	0 – 5 ppm	0.5 ppm
	Ammonia	0 – 50 ppm	25 ppm
	Hydrogen cyanide	0 – 25 ppm	10 ppm
	Hydrogen (non-flammable level)	0 – 999 ppm	100 ppm
	Oxygen	0 – 25%	19% & 23%
Further toxic gas ranges available			
Typical response times T90	Methane 20 seconds Oxygen 10 seconds Typical Toxic Gas 20 seconds		
Expected sensor life	Flammable	5 years	
	Toxic	3 years	
	Oxygen	1 year minimum	
Audible alarms	85 dBA at 1 m, selectable tones Confidence blip (selectable) Triple beep every 10 seconds for low battery		
Visible alarms	Ultra bright flashing red LED pair Display indicates alarm types		
Vibration alarms	Single frequency vibration at all alarm levels		
Display	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		
Datalogging	Adjustable sample rate, 30-3000 hours @ 1 minute sample rate (depending on gas concentration).		
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)		
Operating temp. range	-20°C to +50°C (-4°F to 122°F).		
Humidity	0-95% RH non condensing.		
Approval codes	Europe	EEx ia (d) IIC T3/4	
	USA & Canada	Class 1 Division 1 groups A,B,C,D	
Standards	Europe	EN50014, EN50018, EN50020	
	USA & Canada	UL913	
Ingress protection	IP66		
RF radiation	EN50081-2		
RF/ESD immunity	EN50082-2		

Accessories

- Combined belt and pocket clip
- Rubber boot
- Calibration adaptor/aspirator
- Earpiece
- Charger/comms interface unit
- Multi-way charger

Instructions

1. Single press of large button turns instrument on.
2. Clear LCD display gives gas values and instrument status.
3. Peak values can be toggled on and off with the small button.
4. Small and large button must be depressed together to turn the instrument off.

User adjustments

- With instrument switched off:
1. Small button is used to scroll through zero, calibrate, alarm 1, alarm 2, STEL and LTEL options.
 2. Adjustable control knob beneath the captive cover alters the display values.



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