

RESPO PRODUCTS  
RESPO SAFETY SOLUTIONS



# Gasman

PERSONAL SINGLE GAS DETECTOR

 **CROWCON**  
Gas Detection You Can Trust

# Choosing the portable gas detector for your needs

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

With rugged impact resistant construction and compliance to IP65, Gasman offers a wide range of gases, including six flammable calibration options. Gasman gives an unbeatable combination of powerful loud and bright alarms. Its stunningly compact and lightweight design makes it ideal for use in industries such as oil and gas, chemical, steel works and waste and water works.

Gasman is small, light and easy to use. Weighing just 130g, it is extremely durable, with high impact resistance and dust/water ingress protection to IP65. When potentially hazardous levels of gas are detected, the Gasman alerts the user with a loud 95dB alarm, a vivid red/ blue visual warning and also by vibrating.

Gasman features simple, single-button control and has an easy-to-read, backlit LCD display to ensure clear viewing of gas level readings, alarm conditions and battery life. Data and event logging are available as standard, and there is a built-in 30 day advance warning when calibration is due.

## Robust

TOUGH POLYCARBONATE HOUSING	Protects you in the harshest environments
WATER AND DUST RESISTANT TO IP 65	
FULL OVERMOULDING	High impact resistance

## Effective Warning

2 LEVELS OF INSTANTANEOUS ALARM AND TWA ALARMS	Ensures prompt evacuation from Hazardous Zone
95dB AUDIBLE ALARM	
VIVID TWIN RED/BLUE VISUAL ALARM	If ambient noise is high, Gasman still alerts you by vibrating and with the high impact blue/red alarms
INTERNAL VIBRATING ALARM	



# Flexible

VERSIONS AVAILABLE FOR FLAMMABLE GAS, OXYGEN AND TOXIC GASES	Gas detector tailored to your requirements
RECHARGEABLE VERSIONS FOR ALL GAS TYPES	
NON-RECHARGEABLE VERSIONS FOR OXYGEN AND TOXIC GASES	
REALTIME TWA AND PEAK DISPLAY OPTIONS	
FULLY INTERCHANGEABLE INTELLIGENT SENSOR MODULES	

# User Friendly

ONE BUTTON OPERATION	Provides over 14 hours use from 7.5 hrs charge
BACKLIT DISPLAY FOR GAS DIAGNOSTICS AND OPERATING STATUS	Capable of withstanding harsh environments
ULTRA LIGHTWEIGHT JUST 85g FOR TOXIC	Full compliance

# Gases and Ranges

Required ranges and alarms 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 as standard.



# Specifications

Size	90 x 48 x 24 mm	CO <sub>2</sub>	0-5%	0-5%	NO <sub>2</sub>	0-20 ppm	1 ppm
Weight	Flammable: 138g Toxic: 118g Oxygen: 129g Carbon Monoxide: 139g	Cl <sub>2</sub>	0-20 ppm	0.5 ppm	O <sub>2</sub>	0-25%	19/23%
		LEL	0-100% LEL	20% LEL	O <sub>3</sub>	0-1 ppm	0.1 ppm
		F <sub>2</sub>	0-1 ppm	0.1 ppm	PH <sub>3</sub>	0-5 ppm	0.2 ppm
T <sub>90</sub>	Flammable: 20s Toxic: 20s Oxygen: 10s	H <sub>2</sub>	0-2000 ppm		COCl <sub>2</sub>	0-1 ppm	0.1 ppm
		HCN	0-25 ppm	5 ppm	SO <sub>2</sub>	0-20 ppm	1 ppm
Alarms	Audible:	95dB Multiple alarm options let you select distinctive tones for different alarm levels					
	Visible:	Dual colours red/blue flashing LED's in a gas hazard					
	Vibrating:	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 Display Recall	Real time gas concentration levels Peak readings and TWA					
Data logging		Full timed data logging with adjustable sample rate, set to 1 min as default 900 hrs storage at 1 min internal (54,000 logs), > 4800 events					
Battery	Rechargeable Non-Rechargeable	Lithium battery for all gas types Lithium battery for toxics and oxygen (except CO <sub>2</sub> )					
Operating Time	Rechargeable Non-Rechargeable	12 hrs minimum for flammable unit Up to 2 years					
Sampling	Diffusion	Optional manual aspirator pump					
Operating Temp		-20°C to +65°C					
Humidity		5-90% RH					
IP		IP 65 IP 66					
Approvals	Europe	Toxic or O <sub>2</sub> : 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 or O <sub>2</sub> : IECEx BAS05.0039 Flammable: IECEx BAS05.0038					
	North America	CSA Class I Groups A,B,C,D, Division 1					
	India	PESO					
PC Interface		RS232 connection from interface module in charger RS232/USB converter available					



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