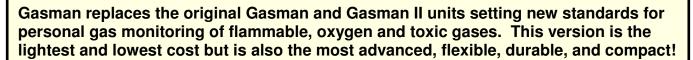
PERSONAL MINI-GAS DETECTOR

GASMAN

FEATURES

- Extremely compact, small pocket size
- Light Only 80 to 130 grams (2.8 to 4.6 ounces)
- Simple True one button operation
- Easy to read LCD display with backlight
- Clear indication of operating status
- 30 Days advance calibration due warning
- Fast responding assurance 95dBA audible alarm
- Striking twin red/blue visual alarm
- Internal vibrating alarm
- 2 levels of instantaneous alarm
- Peak hold with TWA 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 (Lasts up to two years)
- Data and event logging
- Intrinsically safe CSA, ATEX, and other approvals



Designed for use in the toughest environments, Gasman offers an unbeatable combination of powerful loud, bright, and internal vibrating alarms. 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.





CEA Instruments, Inc.

GASMAN SPECIFICATIONS

Datalogging

130g Flammable Weight

95g Oxygen 80g Toxic

Dimensions 90 x 48 x 24 mm (3.5 x 1.9 x 0.95 inch) H x W x D

Available Gases and ranges

	0	Range	Alarm UK and ROW	Alarm US		7 til CV C
	Gas				Battery Types	Recha
	Flammable	0-100% LEL	20% LEL	10% LEL		Non re
	Oxygen	0-25%	19.5% / 23.5%	19.5% / 23.5%	Operating Time	Recha
	Hydrogen Sulfide	0-100 ppm	5 ppm	10 ppm		Non re
	Hydrogen Sulfide	0-500 ppm	5 ppm	10 ppm	Note: Operating time will long lasting alarms and it	
	Carbon Monoxide	0-500 ppm	30 ppm	35 ppm		i use oi ti
	Carbon Monoxide	0-1500 ppm	30 ppm	35 ppm	Sampling	Option
	Sulfur Dioxide	0-20 ppm	1 ppm	2 ppm	Operating temp, ra	
	Chlorine	0-20 ppm	0.5 ppm	0.5 ppm		range -
	Chlorine Dioxide	0-1 ppm	0.1 ppm	0.1 ppm	Humidity	0-99%
	Nitrogen Dioxide	0-20 ppm	1 ppm	3 ppm		
	Ammonia	0-100 ppm	25 ppm	25 ppm	Approval Codes	
	Ammonia	0-1000 ppm	25 ppm	25 ppm	Europe	ATEX Toxic (
	Ozone	0-1 ppm	0.1 ppm	0.1 ppm		
	Hydrogen	0-2000 ppm	N/A	N/A		ATEX
	Hydrogen Cyanide	0-25 ppm	4.7 ppm	4.7 ppm		Flamm
	Hydrogen Fluoride	0-10 ppm	5 ppm	5 ppm	LICA/Canada	Class
	Phosphine	0-5 ppm	0.2 ppm	0.2 ppm	USA/Canada	Class
	Fluorine	0-1 ppm	0.1 ppm	0.1 ppm	Standards	
	Ethylene Oxide	0-10 ppm	5 ppm	5 ppm	Safety	
	Nitric Oxide	0-100 ppm	25 ppm	50 ppm	Europe	EN500
	Phosgene	0-1 ppm	0.1 ppm	0.1 ppm	USA & Canada	UL913
	Carbon Dioxide	0-5%	0.5%	0.5%	Operation	EN502

Other ranges and alarm levels are available on request. Each unit can have two instantaneous alarm 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

Multiple alarm sounds allow selection of distinctive

tones for different alarm levels.

Visible Alarms Dual color 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, when calibration is overdue, or when service is required.

levels. Display recall for Peak readings and TWA.

Normal display for real time gas concentration **Display Mode**

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

Full timed datalogging with adjustable sample rate,

status, Alarms activate/clear including peak values of

response, Gas Test pass or fail. All events are time stamped

argeable Li-ion battery

echargeable Lithium Cell

argeable: 12 hours minimum for flammable unit

rechargeable: Up to 2 years

nd on operating pattern and alarm occurrence. Frequent or the optional confidence beep will reduce battery life.

nal manual aspirator

-20°C to +55°C (-4°F to +131°F)

% RH

II 1G EEx ia IIC T4 (Tamb -20 °C to +65 °C)

II 2G EEx iad IIC T4 (Tamb -20 °C to +65 °C)

1 Groups A, B, C, D Division 1

014, EN50020, EN50018, 94/9/EC

3, CSA22.2, 152

270, EN50271, IEC61508, EN61779

Software designed to meet IEC61508

Ingress Protection IP65 and IP67

PC Interface RS232 connection from Interface module in charger.

RS232/USB convertor available

Gasman can be routinely calibrated using the Autocalibrator

Crowcon Autocalibrator II in conjunction with the PC

Accessories Gasman is supplied with an integral pocket clip.

Charger 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.

(Specifications subject to change without notice.)



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