

Specification

	Gasmaster 1	Gasmaster 4	
Size	288 x 278 x 110mm (11.3 x 10.9 x 4.3 ins)		
Weight	4.5kg (10lbs)		
Enclosure material	Back-box: cast aluminium Front cover: ABS (flame retardant)		
Ingress protection	IP65		
Power	100-240Vac 50-60Hz or 20-30Vdc, 60W max		
Battery back-up	1.2Ah batteries fitted internally		
Operating temperature	-10°C to +50°C (14°F to 122°F)		
Humidity	0 to 95% RH non-condensing		
Inputs	Gas	One 2 or 3 wire 4-20mA gas detector (sink or source) or mV pellistor flammable gas detector	One to four 2 or 3 wire 4-20mA gas detectors (sink or source) or mV pellistor flammable gas detectors
	Fire	One loop of up to 20 conventional smoke/heat detectors or manual call points, or one flame detector (4-20mA or digital contact signal)	One to four loops of up to 20 conventional smoke/heat detectors or manual call points, or one to four flame detectors
	Environmental Sampling Unit	For use with one Crowcon ESU fan	For use with one to four Crowcon ESU fans
	Remote inhibit	Via normally open contact	
	Remote reset	Via normally open contact	
Outputs	Relays DPCO contacts rated 250Vac 8A. Relays can be set as energised or de-energised, latching or non-latching, latching acceptable	Low alarm, High alarm, Fault, Alarm relays can be set for rising or falling alarms. Hysteresis can be adjusted on low alarms	Low alarm and high alarm per channel plus common low, high and fault. Alarm relays can be set for rising or falling alarms. Hysteresis can be adjusted on low alarms
	A/V alarm drive	12Vdc or 24Vdc 650mA max. drive. Suitable for +ve or -ve switched alarms	
	Analogue	4-20mA (current source, max. loop resistance 700Ω) or 1-5Vdc (min. load 50kΩ)	4-20mA for each channel (current source, max. loop resistance 700Ω or 1-5Vdc (min. load 50kΩ)
	Serial link	RS-485 Modbus RTU for monitoring and control via DCS/SCADA/PLC systems	
Communications port	Optional port for PC configuration and event log upload		
Event logging*	Time-stamped log of up to 300 alarms, fault or system intervention activities		
Panel indication	LCD back-lit display shows gas level (in ppb, ppm, % volume or % LEL units), and scrolling alpha-numeric status indication. LED's for Alarm, Fault, Power and Warning. Integral 85dB sounder (at 10cm)		
Approvals	EMC: EN50270, EN60945, FCC: CFR 47 Part 15; ICES-003 ATEX: May be used in a non-hazardous area as part of Intrinsically Safe System conforming to EN60079-25 Baseefa 05Y0090/1		
Functional safety	Validated to IEC61508 SIL2		

*Event log access requires a Gasmaster PC communications kit and communications port.

Disclaimer

Every effort has been made to ensure the accuracy of this document at the time of printing. In accordance with the company's policy of continued product improvement Crowcon Detection Instruments Limited reserves the right to make product changes without notice. The products are routinely subject to a programme of testing which may result in some changes in the characteristics quoted. Technical information contained in this document or otherwise provided by Crowcon are based upon records, tests, or experience that the company believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed.

Many factors beyond Crowcon Detection Instruments' control and uniquely within user's knowledge and control can affect the use and performance of a Crowcon product in a particular application.

As the products may be used by the client in circumstances beyond the knowledge and control of Crowcon Detection Instruments Limited, we cannot determine the relevance of these to an individual customer's application. It is the clients' sole responsibility to carry out the necessary tests to evaluate the usefulness of the products and review all applicable regulations and standards to ensure their safety of operation in a particular application.

CROWCON
Detecting Gas Saving Lives

Gasmaster

Gas Detection Control Panels

Large display

User friendly

Versatile input and output functions

Modular design

Up to four detectors



CROWCON
Detecting Gas Saving Lives

Crowcon reserves the right to change the design or specification of the product without notice.
© 2019 Crowcon Detection Instruments Ltd. Copyright to some photographs held separately.

www.crowcon.com

Gasmaster

1-4 Channel Gas Detection Control Panel

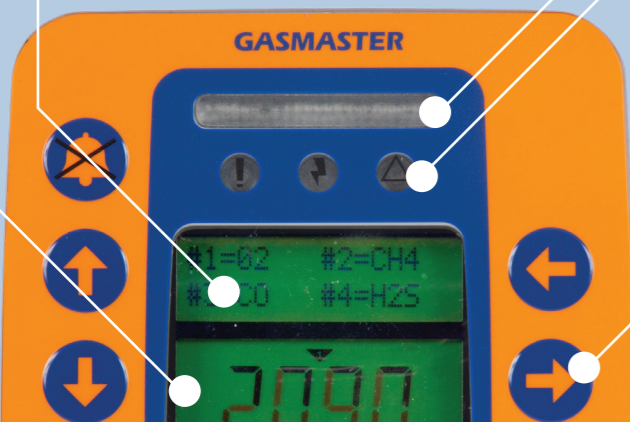


Large, clear display shows all gas levels simultaneously

Switches for system operation and maintenance functions

Alpha-numeric scrolling display shows comprehensive system information

System status LEDs
Ultra-bright alarm indicator bar



Large display

All gas levels are displayed simultaneously

Enables full systems status check at a glance

Alarm messages can be customised to indicate the name or location of any detector in alarm

The LCD can be set to display in many languages

User friendly

Menu system is intuitive and easy to use

Enables configuration changes to be made easily

All functions, from day-to-day operation to re-calibration, can be carried out from the front panel

Routine testing can be performed rapidly

Event log feature

Enables system fault and alarm history to be viewed

Product description

Crowcon Gasmaster provides all the information you need about your gas and fire detectors at a glance. The large multi-lingual display shows gas levels from all detectors simultaneously, and enables system adjustment and testing using buttons on the front panel. Crowcon Gasmaster can operate 'stand-alone' or interface with any alarm devices and control systems using a selection of outputs.

Versatile input and output features

Provides analogue, relay and Modbus outputs	Facilitating communication around the site
Flexibility	Gasmaster can monitor up to four detectors in virtually any combination of gas detectors, fire zones or Environmental Sampling Unit* Software enables re-configuration and event log upload in an instant**
Two levels of independent alarm per channel	Can be configured to suit site requirements
Remote inhibit and reset facilities	Enables control from any point on your site
Compatible with 4-20mA or mV pellistor type gas detectors	mV pellistor detectors reduce system purchase and maintenance costs

Modular design

You only need to purchase the required number of input modules	1, 2 and 3 channel systems can be extended later by adding additional modules***
--	--

* Contact Crowcon for details

** Event Log access requires optional PC communications kit

*** Gasmaster 4 only

