

Specifications

Gasmaster 3

Size	288 x 278 x 110mm (11.3 x 10.9 x 4.3 inches)	
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)	
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
	ESU For use with one Crowcon ESU fan	
	Remote inhibit/retest Via normally open contact	
Outputs	Relays DPCO contacts rated 250Vac 8A Low alarm. High alarm. Fault. Alarm relays can be set for rising or falling 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

	Hysteresis can be adjusted on low alarms	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 700?) or 1-5Vdc (min. load 50k?)	4-20mA for each channel (current source, max. loop resistance 700?) or 1-5Vdc (min. load 50k?)
	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 (see Accessories).