

Gasmaster FP



Gasmaster FP is the simple flexible solution wherever you need a hazardous area approved, localised control panel to monitor gas or fire hazards. Able to monitor up to four gas detectors or fire zones, it provides outstanding performance in an ATEX certified package suitable for use in Zone 1 or Zone 2 environments.

The beauty of Gasmaster FP is that it's simplicity itself to operate but packs a lot of performance. All functions can be carried out via push buttons on the front panel, and it provides outputs for alarms, shutdowns and datalogging.

Key features:

- ATEX certified for use in Zone 1 or Zone 2 hazardous areas
- Modular system can be configured for between 1 and 4 input channels
- Monitors up to four gas detectors or fire zones
- Bright LED's show gas levels, alarms and faults
- Operates from 115/230Vac or 24Vdc
- Individual low and high alarm relays for each input channel plus common alarm and fault relays
- 4-20mA or 1-5V analogue outputs for each gas detector channel
- Remote reset switch input
- Suitable for oil/gas production platforms, FPSO's, refineries, analyser shelters etc.

Specifications

Physical and Environmental

Dimensions:	440w x 230h x 207d mm (17.3 x 9 x 8.1 inches)
Weight:	15 Kg (33 lbs)
Enclosure Material:	Aluminium
Power:	230V/115V ac 50-60 Hz or 12/24V dc, 50W max.
Ingress Protection:	IP54, IP65 with application of Hylomar grease to lid flange
Operating Temperature:	0 to +50°C (32 to 122°F)
Humidity:	0-95% RH non-condensing

Inputs

Gas:	One to four inputs for 4-20mA (current sink or source) or mV bridge type gas detectors
Fire:	Up to 20 conventional smoke /heat detectors per zone
Fan Control:	For monitoring Crowcon's ESU (Environmental Sampling Unit)
Remote Reset:	Via normally-open contact

Outputs

Analogue:	4-20mA or 1-5V analogue output per gas channel
Common Relays:	DPCO (5A 250V ac) for Alarm 1, Alarm 2, Fault
Individual Relays:	DPCO (5A 250V ac) for Alarm 1 and Alarm 2 per channel
Relay Configuration:	Relays can be set as <i>Rising or Falling, Normally Energised or De-Energised</i>
Audible/Visual Alarm:	Direct drive for 12V audible/visual alarms (650 mA max)

Panel Indication

Channel Reading:	7-segment red LED's indicate channel gas levels
Channel Number:	7-segment green LED's indicate channel currently being displayed
Units:	Indicates measurement units for each channel (<i>ppm, %LEL, % volume</i>)
Mains Power:	Green LED to confirm mains power is present
Run Mode:	Green LED, display cycles between channels
Hold Mode:	Green LED, display holds on a channel
Alarm:	Red LED's for low and high alarm per channel
Fault:	Yellow LED per channel
Audible:	Internal beeper for alarm and fault

Lamp test facility is also provided.

Approvals

EMC:	EN50081-1, EN50082-1
------	----------------------

Certification:	 II 2 G, EEx d IIB T6 (amb -40°C to + 65°C)
Certificate Number:	Sira02ATEX1282

For more information contact Crowcon.

UK Office:
Crowcon Detection Instruments Ltd
2 Blacklands Way
Abingdon Business Park
Abingdon
Oxfordshire OX14 1DY
Tel: +44 (0)1235 557700
Fax: +44 (0)1235 557749
Email: sales@crowcon.com
Website: www.crowcon.com

USA Office:
Crowcon Detection Instruments Ltd
21 Kenton Lands Road
Erlanger
Kentucky 41018-1845
Tel: +1 859 957 1039 or
1 800 527 6926
Fax: +1 859 957 1044
E-mail: salesusa@crowcon.com
Website: www.crowcon.com

Rotterdam Office:
Crowcon Detection Instruments Ltd
Vlambloem 129
3068JG, Rotterdam
Netherlands
Tel: +31 10 421 1232
Fax: +31 10 421 0542
E-mail: eu@crowcon.net
Website: www.crowcon.com

Singapore Office
Crowcon Detection Instruments Ltd
Block 192 Pandan Loop
#05-01 Pantech Industrial Complex
Singapore 128381
Tel: +65 6745 2936
Fax: +65 6745 0467
E-mail: sales@crowcon.com.sg
Website: www.crowcon.com