Gas-Pro

Professional Multi-gas Monitor with Optional Pump

Introduction

Designed with industrial environments and fleet managers in mind, Gas-Pro offers detection of up to 5 gases in a compact and rugged solution capable of withstanding harsh environments and everyday use. Gas-Pro has an easy-to-read top mount display combining ease of use with user-focused features. An optional internal pump, activated with the flow plate, takes the pain out of pre-entry testing and allows Gas-Pro to be worn either in pumped or diffusion modes.

Gas-Pro is compatible with a wide range of sensor options including an Infrared (IR) sensor for detection of flammable gasses and CO2 with guaranteed fast response, very low maintenance requirements, long lifespan and fail-safe operation. In addition Gas-Pro is also available with a PID sensor for detection of a wide range of VOCs perfect for the chemical industry especially if working with tanks containing solvents.

Features

- Automatic flow plate recognition
- Simple single button operation
- Flex pump & diffusion models
- Specific and unique pre-entry check mode (PEC)
- Up to 5-gas monitoring
- Bump & Calibration reminders

Gases and ranges

Gas	Range	Typical alarms	Resolution
Ammonia (NH_3)	0-100ppm	25ppm	1ppm
Carbon dioxide IR (CO_2)	0-5% vol.	0.5% vol.	0.01% vol.
Carbon monoxide (CO)	0-2000ppm	30ppm	1ppm
Carbon monoxide (CO)	0-500ppm	30ppm	1ppm
Carbon monoxide (hydrogen filtered)	0-2000ppm	30ppm	1ppm
Chlorine (Cl_2)	0-5ppm	0.5ppm	0.1ppm
Dual toxic (CO-H_2S)	H2S 0-100ppm	5ppm	1ppm
	CO 0-500ppm	30ppm	1ppm
Flammable	0-100% LEL	20% LEL	1% LEL
Flammable IR	0-100% LEL	20% LEL	1% LEL
Hydrogen sulphide (H_2S)	0-100ppm	5ppm	1ppm
Nitrogen dioxide (NO_2)	0-20ppm	1ppm	0.5ppm
Oxygen (O_2)	0-25% vol	19.5% / 23.5% vol.	0.1% vol
Ozone (O_3)	0-1ppm	0.1ppm	0.01ppm
Sulphur dioxide (SO_2)	0-20ppm	1ppm	0.1ppm
Chlorine dioxide (ClO_2)	0-1ppm	0.1ppm	0.1ppm
Nitric oxide (NO)	0-100ppm	25ppm	1ppm
Hydrogen Cyanide (HCN)	0-30 ppm	10ppm	0.1ppm
Methane*	0-100% LEL	20% LEL	1% LEL
Hydrogen*	0-100% LEL	20% LEL	1% LEL
Propane*	0-100% LEL	20% LEL	1% LEL
Ethane*	0-100% LEL	20% LEL	1% LEL
Acetylene*	0-100% LEL	20% LEL	1% LEL

*In-field pellistor programmable gasses

Specification

Size	43 x 130 x 84mm (1.7 x 5.1 x 3.3ins)
Weight	309g 4 gas (10.8oz)/ 340g pumped (11.9oz)
	333g 5 gas (11.7oz)/ 362g pumped (12.7oz)
Alarms	Audible >95dB @ 11.8in (98dB @11.8in in loud mode)
	Visual - all angle dual red/blue LEDs
	Vibrating alert
Data Logging	125hrs at 10-second intervals (45,000 logs)
Event logging	Alarm, over range, calibration, bump, on/off, TWA Resume, 1000 events
Battery	Rechargeable Li-ion, >14 hours (13 hours pumped operation) based on CH_4, O_2, H_2S, CO
	Typical charge time 7.5 hours
Sampling	Internal pump as option
Operating temperature	-20oC to +55oC (-4oF to +131oF) **
Storage	-20oC to +65oC (-4oF to +149oF)
Humidity	10 to 95% RH *
Ingress protection	Independently tested to IP65 and IP67
Approvals	IECEx: Ex db ia IIC T4 Gb Tamb -20oC to +55oC
	ATEX and UKCA: II 2 G Ex db ia IIC T4 Gb Tamb -20oC to +55oC
	UL: Class 1 Div 1, Groups A, B, C, D, UL 913, UL 60079-0 and UL 60079-11
	INMETRO: Ex db ia IIC T4 Gb Tamb -20oC to +55oC
	Marine Equipment Directive: MED 1500009/M1
Compliance	FCC and CE. Complies with EMC Directive 2014/30/EU, EN50270
Interface	Data connection for gas test solutions and direct to PC
Charging	Direct connection to multiregional power supply
	Vehicle charger adaptor
	Desktop cradle
	USB power and communications lead
Crowcon Connect Compatible?	Yes

* Sensors humidity range varies by sensor type, consult Crowcon for further details.
** Toxic and Oxygen sensors are not rated for continuous operation at high temperatures.
Consult Crowcon if operating temperatures are likely to exceed 40°C (104°F) for extended periods.