

**CROWCON**  
Detecting Gas Saving Lives

# Gas-Pro

## Professional Multi-Gas Monitor

Up to 5 sensors  
Powerful  
Pump ready



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## Professional Multi-Gas Monitor with Optional Pump

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.

### User-friendly

Top mount display	Makes it easy to read at a glance
Simple single button operation	Can be used while wearing gloves
Intuitive functionality	Reduces training time
TWA Resume	This innovative feature ensures toxic gas exposure is calculated accurately over an entire shift, even if Gas-Pro is switched off for a break or during travel to another site

### Adaptable

Monitor 5 gases from many different options	
Pumped and diffusion solutions	Offers multiple uses within one compact detector
Multiple languages	
IR/PID options	Further protecting against a number of explosive gases and compounds
Automatic fail-safe flow plate recognition	
Specific and unique Pre-Entry Check (PEC) mode	Takes away the pain of pre-entry testing

### Reliable

Reliable lithium-ion battery	Provides over 14 hours use from a 7.5 hour charge
Water and dust resistant to IP65 and IP67	Capable of withstanding harsh environments
Bump and calibration reminders	Helps ensure full compliance at all times

## Gases and ranges

Gas	Range	Typical alarms	Resolution
Ammonia (NH <sub>3</sub> )	0-100ppm	25ppm	1ppm
Carbon dioxide IR (CO <sub>2</sub> )	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 <sub>2</sub> )	0-5ppm	0.5ppm	0.1ppm
Dual toxic (CO-H <sub>2</sub> S)	H <sub>2</sub> S 0-100ppm CO 0-500ppm	5ppm 30ppm	1ppm 1ppm
Flammable	0-100% LEL	20% LEL	1% LEL
Flammable IR	0-100% LEL	20% LEL	1% LEL
Hydrogen sulphide (H <sub>2</sub> S)	0-100ppm	5ppm	1ppm
Nitrogen dioxide (NO <sub>2</sub> )	0-20ppm	1ppm	0.5ppm
Oxygen (O <sub>2</sub> )	0-25% vol	19.5% / 23.5% vol.	0.1% vol
Ozone (O <sub>3</sub> )	0-1ppm	0.1ppm	0.01ppm
Sulphur dioxide (SO <sub>2</sub> )	0-20ppm	1ppm	0.1ppm
Chlorine dioxide (ClO <sub>2</sub> )	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

**More gas types will be available** - contact Crowcon with your requests.

## 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
Display	Top mount for ease of view with dual color backlight (green/red)
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 <sub>4</sub> , O <sub>2</sub> , H <sub>2</sub> S, 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.

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