

O<sub>2</sub>  
H<sub>2</sub>S  
CO  
CH<sub>4</sub>  
SO<sub>2</sub>  
NH<sub>3</sub>  
CO<sub>2</sub>  
O<sub>3</sub>  
Cl<sub>2</sub>  
NO<sub>2</sub>

# Gas-Pro

## Confined Space Entry Monitor

### Portable 5 gas detector



## Gas-Pro

Designed with confined space workers and fleet managers in mind, Gas-Pro offers detection of up to 5 gases in a compact, rugged solution capable of withstanding harsh environments and everyday use.

### Confined Space Solution

- Easy to see top mount display
- Internal pump (option)
- Automatic fail safe flow plate recognition
- Specific and unique Pre-Entry mode
- +ve Safety™ (Positive Safety) tri-colour status indicator
- Integral over moulded anti-shock case
- Simple single button operation
- Portable, wall and desk mount gas test solutions

### Flexible

- Tailor +ve Safety™ to organisational requirements
- Monitor 5 gases from many different options
- Multipurpose; pumped and diffusion solutions offering multiple uses within one compact detector

**BE** SAFE  
POSITIVE  
**+ve Safety™**

**CROWCON**  
Gas Detection You Can Trust

# Gas-Pro

Compact and rugged confined space entry monitor capable of detecting up to 5 gases.

## Gases & Ranges

Gas-Pro offers a wide range of sensors, a number of which are shown below. Gases and ranges may vary by country and application. Each gas channel has two instantaneous alarms with toxic channels also having TWA alarms.

Gas	Range	Typical Alarms	Resolution
Dual toxic	H <sub>2</sub> S 0-100 ppm CO 0-500 ppm	5 ppm 30 ppm	0.1 ppm 1 ppm
Oxygen	5-25% VOL	19%/23% VOL	0.1% VOL
Flammable*	0-100% LEL	20% LEL	1% LEL
Carbon dioxide	0-5% VOL	0.5% VOL	0.01% VOL
Scheduled for release (contact Crowcon for timescales)			
Ammonia	0-100 ppm	25 ppm	1 ppm
Sulphur dioxide	0-10 ppm	1 ppm	0.1 ppm
Ozone	0-1 ppm	0.1 ppm	0.01 ppm
Chlorine	0-5 ppm	0.5 ppm	0.1 ppm
Chlorine dioxide	0-1 ppm	0.1 ppm	0.1 ppm
Nitric oxide	0-100 ppm	25 ppm	1 ppm
Nitrogen dioxide	0-10 ppm	1 ppm	0.5 ppm
Flammable IR*	0-100% LEL	20% LEL	1% LEL

\* Pellistor calibrations available for methane, butane, pentane, propane and ethylene. Other calibrations and gas types are available, contact Crowcon for details.

### Gas Test Solutions

Solutions for in-field and on-site gas test, calibration and data capture

- Q-Test:** Quick and simple in-field testing
- I-Test:** Intelligent wall or desk mount station
- S-Test:** Service and maintenance of up to 5 detectors

## Specification:

Size (d x h x w)	43 x 130 x 82mm (1.7 x 5.1 x 3.2 inches)
Weight	340g 4 gas (12oz) 380g pumped 5 gas (13.4oz)
Alarms	Audible >95dB @ 30cm Visual - all angle dual red/blue LEDs Vibrating alert
Display	Top mount for ease of view With dual colour backlight (green/red)
Data Logging	50hrs @ 10 second intervals (18,000 logs)
Event Logging	Alarm, over range, calibration, bump, on/off, TWA, 1000 events
Battery	Rechargeable Li-ion, >19 hrs (17 hrs pumped operation) based on CH <sub>4</sub> , O <sub>2</sub> , H <sub>2</sub> S, CO
Sampling	Internal pump as option
Operating temperature	-20°C to +50°C (-4°F to +122°F)
Storage	-25°C to +65°C (-13°F to +149°F)
Humidity	20 to 90% RH (dependent on sensor configuration)
Ingress Protection	Independently tested to IP65 & IP67
Approvals (pending)	ATEX - II 2G Ex ia d IIC T4 Gb IECEX - Ex ia d IIC T4 UL - Class 1, Div 1, Groups A, B, C, D cUL - Class 1, Div 1, Groups A, B, C, D
Performance Standards	EN60079-29, EN45544 and EN50104
Operation Standards	EN50270, EN50271 and EN61779
Compliance	FCC and CE. Complies with EMC Directive 2004/108/EC
Interface	Data connection for gas test solutions and direct to PC
Charging	Direct connect to multiregion power supply Vehicle charger adaptor Desk top cradle USB power and communications lead

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Gas-Pro is within the validation stage of design, hence data included in the datasheet signifies target standards and compliance and will be revised upon completion