

Gas-Pro



Now available with IR
and PID sensor options

Personal Gas Detection Equipment



- Multiple sensor options
- User friendly
- Reliable
- Adaptable



Gas-Pro

Portable 5 Gas Detector with Optional Pump

When lives and property are at risk and you need gas detection equipment that is totally reliable, you need Crowcon. For over 40 years Crowcon has been developing and manufacturing high quality products with a reputation for reliability and technical innovation.

Crowcon provide both single gas and multigas monitors for personal safety and portable monitoring applications providing protection against a wide range of industrial gas hazards.



Choosing the portable gas detector for your needs

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.



Infrared (IR) sensor for detection of flammable gases and CO₂, which guarantees fast response and fail-safe operation. IR sensor also requires little maintenance and provides reliable protection over many years. In addition, Gas-Pro IR is available with PID sensor for use in the chemical industry, especially if working in or around tanks that contain solvents.

User friendly

| | |
|--------------------------------|-----------------------------------|
| Top mount display | Makes it easy to read at a glance |
| Simple single button operation | Can be used whilst wearing gloves |
| Intuitive functionality | Reduces training time |

Adaptable

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

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 | Full compliance |

Please see the back page for full technical specifications.



Gas-Pro PID and Gas-Pro IR

Gas-Pro PID offers detection of up to 5 gases in a compact and rugged solution, and detects a number of Volatile Organic Compounds. These organic compounds are characterised by their tendency to evaporate easily at room temperature. Familiar substances containing VOCs include solvents, paint thinners and glues, as well as the vapours associated with fuels such as gasoline, diesel, heating oil, kerosene and jet fuel. For more details, visit our website - www.crowcon.com - to download the PID datasheet.

Gas-Pro IR provides rapid detection of explosive gases where conventional pellistor sensors may not be suitable, especially in low oxygen environments such as storage tanks purged with an inert gas. In IR sensors, gas is measured using two different wavelengths: one that absorbs gas and the other that does not. This allows for easy measurement and high sensitivity to gases. Unlike pellistor sensors, IR sensors are resistant to silicon poisoning and require less frequent maintenance and calibration. Gas-Pro IR measures the %LEL limit of 3 common flammable gases: methane, pentane and propane.

Bump test solutions

With an increased focus on regular bump testing of gas detection through regulation and individual company requirements, bump testing has become even more important. Crowcon offer bump test solutions with I-Test and Q-test.

I-Test

I-Test offers a full bump and calibration system, which is easy to use and records the results of the test. With I-Test Manager you can run reports and look at the data that has been collected through the I-Test system making your site fully compliant. Calibration and Bump certificates can be printed easily at a few clicks of a button. Ideal for large fleet users, the I-Test will look after a fleet of hundreds of detectors making your life easier.



Q-Test

The Q-Test requires no power and is therefore ideally suited to remote users. Crews can now complete their functional check immediately prior to entry ensuring they are compliant. The power-enabled option allows users to charge Gas-Pro on the move. Multiple mounting options and cylinder holder will ensure that Gas-Pro is ready to protect workers when needed.



Please refer to the I-Test data sheets for more information and full technical specifications.

Gas-Pro 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 @ 30cm (98dB @30cm in loud mode) Visual - all angle dual red/blue LEDs Vibrating alert |
| Display | Top mount for ease of view with dual colour backlight (green/red) |
| Data logging | 125hrs at 10-second intervals (45,000 logs) |
| Event logging | Alarm, over range, calibration, bump, on/off, TWA, 1000 events |
| Battery | Rechargeable Li-ion, >14 hours (13 hours pumped operation) based on CH ₄ , O ₂ , H ₂ S, CO Typical charge time 7.5 hours |
| Sampling | Internal pump as option |
| Operating temperature | -20°C to +55°C (-4°F to +131°F) ** |
| Storage | -20°C to +65°C (-13°F to +149°F) |
| Humidity | 10 to 95% RH+ |
| Ingress protection | Independently tested to IP65 and IP67 |
| Approvals | IECEx: Ex d ia IIC T4 Gb Tamb -20°C to +55°C ATEX: II 2 G Ex d ia IIC T4 Gb Tamb -20°C to +55°C UL: Gas detector use in hazardous locations Class 1, Division 1, Groups A, B, C, and D only as to intrinsic safety INMETRO: Ex d ia IIC T4 Gb Tamb -20°C to +55°C Marine Equipment Directive: MED 1500009/M1 |
| Compliance | CE, FCC and ICES-003 Complies with EMC Directive 2014/30/EU |
| 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 |

* 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.

Gases and Ranges:

| Gas | Range | Typical Alarms | Resolution |
|---|--|----------------|--------------|
| Ammonia (NH ₃) | 0-100ppm | 25ppm | 1ppm |
| Carbon dioxide IR (CO ₂) NEW | 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 ₂ S) | H ₂ S 0-100ppm CO 0-500ppm | 5ppm 30ppm | 1ppm 1ppm |
| Flammable | 0-100% LEL | 20% LEL | 1% LEL |
| Flammable IR NEW | 0-100% LEL | 20% LEL | 1% LEL |
| Hydrogen sulphide (H ₂ S) | 0-100ppm | 5ppm | 1ppm |
| Nitrogen dioxide (NO ₂) | 0-20ppm | 1ppm | 0.5ppm |
| Oxygen (O ₂) | 0-25% vol. | 19%/23% 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 |

Crowcon reserves the right to change the design or specification of the product without notice. Check www.crowcon.com for updates.

www.crowcon.com

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Gas-Pro Accessories:



Multiregion power supply



Chest harness straps



Charger cradle



Pumped flow plate



USB communications lead

CROWCON
Detecting Gas Saving Lives