

# Gas-Pro

## Portable Gas Detection Equipment



- 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 monitoring and portable safety 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.

#### User friendly

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

#### Adaptable

|                                                 |                                                  |
|-------------------------------------------------|--------------------------------------------------|
| Monitor 5 gases from many different options     | Offers multiple uses within one compact detector |
| Pumped and diffusion solutions                  |                                                  |
| Multiple languages                              |                                                  |
| 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                                   |



## 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.



## Gas-Pro Specifications:

|                              |                                                                                                                                                                                                                                  |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Size</b>                  | 43 x 130 x 84mm (1.7 x 5.1 x 3.3ins)                                                                                                                                                                                             |
| <b>Weight</b>                | 309g 4 gas (10.8oz)/ 340g pumped (11.9oz)<br>333g 5 gas (11.7oz)/ 362g pumped (12.7oz)                                                                                                                                           |
| <b>Alarms</b>                | Audible >95dB @ 30cm (98dB @30cm in loud mode)<br>Visual - all angle dual red/blue LEDs<br>Vibrating alert                                                                                                                       |
| <b>Display</b>               | Top mount for ease of view with dual color backlight (green/red)                                                                                                                                                                 |
| <b>Data logging</b>          | 125hrs at 10 second intervals (45,000 logs)                                                                                                                                                                                      |
| <b>Event logging</b>         | Alarm, over range, calibration, bump, on/off, TWA, 1000 events                                                                                                                                                                   |
| <b>Battery</b>               | 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<br>Typical charge time 7.5 hours                                                                     |
| <b>Sampling</b>              | Internal pump as option                                                                                                                                                                                                          |
| <b>Operating temperature</b> | -20°C to +55°C (-4°F to +131°F)                                                                                                                                                                                                  |
| <b>Storage</b>               | -25°C to +65°C (-13°F to +149°F)                                                                                                                                                                                                 |
| <b>Humidity</b>              | 10 to 95% RH+                                                                                                                                                                                                                    |
| <b>Ingress protection</b>    | Independently tested to IP65 and IP67                                                                                                                                                                                            |
| <b>Approvals</b>             | IECEX: Ex d ia IIC T4 Gb Tamb -20°C to +55°C<br>ATEX: II 2 G Ex d ia IIC T4 Gb Tamb -20°C to +55°C<br>UL: Gas detector use in hazardous locations Class 1, Division 1, Groups A, B, C, and D only as to intrinsic safety INMETRO |
| <b>Compliance</b>            | FCC and CE<br>Complies with EMC Directive 2004/108/EC<br>EN50270 and ICES-003                                                                                                                                                    |
| <b>Interface</b>             | Data connection for gas test solutions and direct to PC                                                                                                                                                                          |
| <b>Charging</b>              | Direct connect to multiregion power supply<br>Vehicle charger adaptor<br>Desk top cradle<br>USB power and communications lead                                                                                                    |

## Gases and Ranges:

| Gas                                        | Range                                    | Typical Alarms    | Resolution   |
|--------------------------------------------|------------------------------------------|-------------------|--------------|
| <b>Ammonia (NH<sub>3</sub>)</b>            | 0-100ppm                                 | 25ppm             | 1ppm         |
| <b>Carbon dioxide (CO<sub>2</sub>)</b>     | 0-5% vol.                                | 0.5% vol.         | 0.01% vol.   |
| <b>Carbon monoxide (CO)</b>                | 0-2000ppm                                | 35ppm             | 1ppm         |
| <b>Carbon monoxide (CO)</b>                | 0-500ppm                                 | 35ppm             | 1ppm         |
| <b>Carbon monoxide (hydrogen filtered)</b> | 0-2000ppm                                | 35ppm             | 1ppm         |
| <b>Chlorine (Cl<sub>2</sub>)</b>           | 0-5ppm                                   | 0.5ppm            | 0.1ppm       |
| <b>Dual toxic (CO-H<sub>2</sub>S)</b>      | H <sub>2</sub> S 0-100ppm<br>CO 0-500ppm | 10ppm<br>35ppm    | 1ppm<br>1ppm |
| <b>Flammable</b>                           | 0-100% LEL                               | 10% LEL           | 1% LEL       |
| <b>Hydrogen sulfide (H<sub>2</sub>S)</b>   | 0-100ppm                                 | 10ppm             | 1ppm         |
| <b>Nitrogen dioxide (NO<sub>2</sub>)</b>   | 0-20ppm                                  | 3ppm              | 0.5ppm       |
| <b>Oxygen (O<sub>2</sub>)</b>              | 0-25% vol.                               | 19.5%/ 23.5% vol. | 0.1% vol.    |
| <b>Ozone (O<sub>3</sub>)</b>               | 0-1ppm                                   | 0.1ppm            | 0.01ppm      |
| <b>Sulfur dioxide (SO<sub>2</sub>)</b>     | 0-20ppm                                  | 2ppm              | 0.1ppm       |
| <b>Chlorine dioxide (ClO<sub>2</sub>)</b>  | 0-1ppm                                   | 0.1ppm            | 0.1ppm       |
| <b>Nitric oxide (NO)</b>                   | 0-100ppm                                 | 25ppm             | 1ppm         |

## Gas-Pro Accessories:



Multiregion power supply



Chest harness straps



Charger cradle



Pumped flow plate



USB communications lead

Crowcon reserves the right to change the design or specification of the product without notice.  
Check [www.crowcon.com](http://www.crowcon.com) for updates.

**www.crowcon.com**

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