

# 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    | 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            | 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 | 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 <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    |
| PID                                  | 0-1000ppm                 | 50ppm              | 1ppm       |
| 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     |

**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)<br>333g 5 gas (11.7oz)/ 362g pumped (12.7oz)                                                                       |
| Alarms                      | Audible >95dB @ 11.8in (98dB @11.8in in loud mode)<br>Visual - all angle dual red/blue LEDs<br>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<br>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/M10                                                                                                                  |
| 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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# WolfLabs

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