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

Crowcon
Detecting Gas Saving Lives
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.

<table>
<thead>
<tr>
<th>Gas</th>
<th>Range</th>
<th>Typical Alarms</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>0-100 ppm</td>
<td>25 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>0-5% VOL</td>
<td>0.5% VOL</td>
<td>0.01% VOL</td>
</tr>
<tr>
<td>Carbon monoxide</td>
<td>0-2000 ppm</td>
<td>30 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Carbon monoxide</td>
<td>0-500 ppm</td>
<td>30 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Carbon monoxide (hydrogen filtered)</td>
<td>0-2000 ppm</td>
<td>30 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Chlorine†</td>
<td>0-5 ppm</td>
<td>0.5 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Dual toxic</td>
<td>H₂S 0-100 ppm CO 0-500 ppm</td>
<td>5 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Flammable†</td>
<td>0-100% LEL</td>
<td>20% LEL</td>
<td>1% LEL</td>
</tr>
<tr>
<td>Hydrogen sulphide</td>
<td>0-100 ppm</td>
<td>5 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>Nitrogen dioxide</td>
<td>0-20 ppm</td>
<td>1 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td>Oxygen</td>
<td>0-25% VOL</td>
<td>19%/23% VOL</td>
<td>0.1% VOL</td>
</tr>
<tr>
<td>Ozone†</td>
<td>0-1 ppm</td>
<td>0.1 ppm</td>
<td>0.01 ppm</td>
</tr>
<tr>
<td>Sulphur dioxide</td>
<td>0-20 ppm</td>
<td>1 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Chlorine dioxide</td>
<td>0-1 ppm</td>
<td>0.1 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Nitric oxide</td>
<td>0-100 ppm</td>
<td>25 ppm</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

* Calibration available for methane, acetylene, pentane, butane, propane and ethylene) scheduled for release, contact Crowcon for details.
† Currently not available in pumped units.

Gas Test Solutions

Q-Test: Quick and simple in-field testing

Specification:

- Size (d x h x w): 43 x 130 x 84mm (1.7 x 5.1 x 3.3 inches)
- Weight: 309g 4 gas (10.8oz)/340g pumped (11.9oz) 333g 5 gas (11.7oz)/362g pumped (12.7oz)
- Audible >95dB @ 30cm (98dB @30cm in loud mode) Visual - all angle dual red/blue LEDs Vibrating alert
- Alarms
- Display
- Top mount for ease of view With dual colour backlit (green/red)
- Data Logging: 125hrs @ 10 second intervals (45,000 logs)
- Event Logging: Alarm, over range, calibration, bump, on/off, TWA, 1000 events
- Battery: Rechargeable Li-ion, >14 hrs (13 hrs pumped operation) based on CH₄, O₂, H₂S, CO
- Typical charge time: 7.5 hrs
- Sampling: Internal pump as option
- Operating temperature: -20°C to +55°C (-4°F to +131°F)
- Storage: -25°C to +65°C (-13°F to +149°F)
- Humidity: 10 to 95% RH
- Ingress Protection: Independently tested to IP65 & IP67
- Approvals
  - IECEx: Ex d ia IIC T4 Gb Tamb -20˚C to +55˚C ATEX: Ex 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
- Compliance
  - FCC and CE Complies with EMC Directive 2004/108/EC EN50270 and ICES-003
- 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

*Dependant on sensor configuration

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Crowcon reserves the right to change the design or specification of the product without notice.
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