G460

The World’s Most Advanced Multi-sensor Atmospheric Monitor

- Exceptional HAZMAT and Confined Space performance
- Up to 6 channels of detection, including...
- PID sensor for direct reading of toxic VOCs
- Infrared (IR) sensors for CO2 and combustible gas (0 % LEL - 100% volume)
- Full 3-year warranty on O2, Combustible, CO, H2S and CO2 sensors

G460 Multi-gas Detector

- Wide range of additional sensors including SO2, HCN, Cl2, NH3, PH3, H2, NO, NO2, ClO2, O3, ETO, THT and more!
- Highly configurable smart sensor design
- Full featured, rugged design
- Optional motorized pump operable in diffusion or sample draw mode
- Affordable price!

GfG Instrumentation
1194 Oak Valley Dr, Ste 20, Ann Arbor MI 48108 USA
(800) 959-0329 • (734) 769-0573 • www.goodforgas.com
**G460 Multi-gas Detector**

**Continuously measures up to six gas hazards**
The durable G460 continuously measures and displays readings for up to six gases at the same time.

**Durable, compact design**
The G460 is compact, robust and very easy-to-use. The dust proof and highly water resistant (IP-67) housing is designed to survive the toughest environmental conditions. The housing even includes a built-in rubberized boot to withstand the hard knocks of confined space entry.

**Wide range of sensors**
G460 detectors are available for use with a wide range of long-lasting, interchangeable smart-sensors for LEL, O<sub>2</sub>, H<sub>2</sub>S, SO<sub>2</sub>, Cl<sub>2</sub>, PH<sub>3</sub>, NO<sub>2</sub>, HCN, ETO, CO, COSH, HF, O<sub>3</sub>, NO and H<sub>2</sub>S. As well as PID (photoionization detectors) for the measurement of volatile organic chemical (VOC) hazards and Infrared (NDIR) sensors for the direct measurement of CO<sub>2</sub> and combustibles.

**Easy operation**
The G460 keeps gas detection simple. Most day-to-day functions are controlled with a single button, and calibration is fully automatic. Simply attach the adapter and flow gas to the sensors. GfG AutoCal<sup>®</sup> programming automatically makes the adjustments, and updates the information in the instrument’s on-board memory.

**Lifetime warranty**
The G460 carries a lifetime warranty on nonconsumable components and a two-year warranty on most sensors. O2, LEL, H2S, CO, COSH and infrared sensors carry a full three-year warranty against failure.

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### Specifications

#### Ranges & Resolution for Select Sensors

<table>
<thead>
<tr>
<th>Component</th>
<th>Lower Limit</th>
<th>Upper Limit</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia (NH&lt;sub&gt;3&lt;/sub&gt;)</td>
<td>0 - 200 ppm</td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide (CO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 5 % vol</td>
<td>0.01 % vol</td>
<td></td>
</tr>
<tr>
<td>Carbon monoxide (CO)</td>
<td>0 - 300 ppm</td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>COSH (CO)</td>
<td>0 - 500 ppm</td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>Chlorine (Cl&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 10 ppm</td>
<td>0.1 ppm</td>
<td></td>
</tr>
<tr>
<td>Chlorine dioxide (ClO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 2 ppm</td>
<td>0.01 ppm</td>
<td></td>
</tr>
<tr>
<td>Combustible (Calicyc)</td>
<td>0 - 100 % LEL</td>
<td>0.5 %</td>
<td></td>
</tr>
<tr>
<td>Combustible (Infrared)</td>
<td>0 - 5 % vol</td>
<td>0.02 %</td>
<td></td>
</tr>
<tr>
<td>Combustible (Infrared)</td>
<td>0 - 100 % vol</td>
<td>0.01 % vol</td>
<td></td>
</tr>
<tr>
<td>Ethylene oxide (C&lt;sub&gt;2&lt;/sub&gt;H&lt;sub&gt;4&lt;/sub&gt;O)</td>
<td>0 - 20 ppm</td>
<td>0.1 ppm</td>
<td></td>
</tr>
<tr>
<td>Hydrogen (H&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 2,000 ppm</td>
<td>2 ppm</td>
<td></td>
</tr>
<tr>
<td>Hydrogen chloride (HCl)</td>
<td>0 - 30 ppm</td>
<td>0.2 ppm</td>
<td></td>
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<tr>
<td>Hydrogen cyanide (HCN)</td>
<td>0 - 50 ppm</td>
<td>0.5 ppm</td>
<td></td>
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<tr>
<td>Hydrogen fluoride (HF)</td>
<td>0 - 10 ppm</td>
<td>0.1 ppm</td>
<td></td>
</tr>
<tr>
<td>Hydrogen sulfide (H&lt;sub&gt;2&lt;/sub&gt;S)</td>
<td>0 - 100 ppm</td>
<td>0.1 ppm</td>
<td></td>
</tr>
<tr>
<td>Nitric oxide (NO)</td>
<td>0 - 100 ppm</td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>Nitrogen dioxide (NO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 50 ppm</td>
<td>0.2 ppm</td>
<td></td>
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<tr>
<td>Oxygen (O&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 25 ppm vol</td>
<td>0.1 % vol</td>
<td></td>
</tr>
<tr>
<td>Ozone (O&lt;sub&gt;3&lt;/sub&gt;)</td>
<td>0 - 1 ppm</td>
<td>0.01 ppm</td>
<td></td>
</tr>
<tr>
<td>Phosgene (COCl&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 2 ppm</td>
<td>0.01 ppm</td>
<td></td>
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<tr>
<td>Phosphine (PH&lt;sub&gt;3&lt;/sub&gt;)</td>
<td>0 - 10 ppm</td>
<td>0.05 ppm</td>
<td></td>
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<tr>
<td>PID (VOC)</td>
<td>0 - 10,000 ppm</td>
<td>5.0 ppm</td>
<td></td>
</tr>
<tr>
<td>Sulfur dioxide (SO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 2,000 ppm</td>
<td>0.5 ppm</td>
<td></td>
</tr>
<tr>
<td>Silane (SiH&lt;sub&gt;4&lt;/sub&gt;)</td>
<td>0 - 200 ppm</td>
<td>0.1 ppm</td>
<td></td>
</tr>
<tr>
<td>Sulphur dioxide (SO&lt;sub&gt;2&lt;/sub&gt;)</td>
<td>0 - 10 ppm</td>
<td>0.05 ppm</td>
<td></td>
</tr>
<tr>
<td>Tetrahydrophosphine (THP)</td>
<td>0 - 100 mg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td>0.1 mg/m&lt;sup&gt;3&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

#### Other Specifications

- **Dimensions**: 2.95x4.33x2.17 in (75x110x55 mm)
- **Weight**: 10 oz (280 g) w/O<sub>2</sub>/LEL CO/H<sub>2</sub>S
- **Power**: 2 "AA" or rechargeable NiMH pack
- **Operation time**: 24 hrs continuous operation with LEL and toxic sensors; up to 18 hours with IR combustible, IR CO<sub>2</sub> or PID
- **Charge time**: 6 hours
- **Alarms**: Vibrating: Standard
- **Visual**: Bright, 360<sup>°</sup> wraparound
- **Audible**: 103 db (30 cm)
- **Alarm (103 dB at 12 inches)**, built-in vibrator and bright wrap-around LED alarm lights visible from every direction. The top-mounted display changes color from green, to orange to red just like a traffic signal to help communicate the severity of the hazardous condition.
- **Housing**: IP-67 (dust proof and highly water resistant)
- **Datalogging**: 1,700 logged intervals
- **Pressure Range**: 700 to 1,300 hPa
- **Temperature range**: -4 to +131 °C
- **Weight**: 10 oz (280 g) w/O<sub>2</sub>/LEL CO/H<sub>2</sub>S
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#### Datalogging

- **Standard on all instruments**: Records gas readings
- **Gas alarms**: Zero Point Adjustments and calibrations.
- **Full datalogging functionality**: (1,700 logged intervals)

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- Fax: (734) 769-1888
- E-mail: info@gfg-inc.com
- Website: www.goodforgas.com

**Warranty**

Limited lifetime on instrument and electronics. Two years on most sensors, three years on select sensors including O<sub>2</sub>, LEL (Calicyc), LEL (IR), CO, H<sub>2</sub>S and IR CO<sub>2</sub>.

Refer to GfG complete warranty for details.