• 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

• Wide range of additional sensors including SO2, HCN, C6, NH3, PH3, H2, NO, NO2, ClO2, O3, ETO and more!
• Highly configurable **smart sensor** design
• Full featured, rugged design
• Optional motorized pump operable in diffusion or sample draw mode
• **Affordable price!**
**G460 Multi-gas Detector**

**Continuously measures up to six gas hazards**
The 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.

**Widest range of sensors**
G460 detectors are available for use with a wide range of long-lasting, interchangeable smart-sensors for LEL, O₂, H₂S, CO, NH₃, SO₂, Cl₂, HCN, NO₂, ETO and PID (photoionization detectors) for the measurement of volatile organic chemical (VOC) hazards and infrared (NDIR) sensors for the direct measurement of CO₂ 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® programming** 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.

**Up to 25 hrs. continuous operation**
Depending on the sensors installed, G460 battery packs deliver up to 25 hours of continuous operation. Alkaline packs are powered by two “AA” batteries. Rechargeable battery packs can even be equipped with optional “flash light” LEDs.

**Motorized sampling pump**
The field attachable motorized pump is powered by its own alkaline or rechargeable battery pack. The powerful diaphragm pump is equipped with an on / off shutter that allows the instrument to be used in diffusion mode even while the pump is attached.

**Top-mounted display easy to read even in the dark**
Whether it’s worn on your belt or held by hand, the G460 is easy to read. The top-mounted, full graphics LCD includes a build-in backlight for use in the dark. Readings can be “zoomed” or “flipped” at the push of a button to make it even easier to see your monitoring results.

**Audible and visual alarms**
The G460 includes an extremely loud audible 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.

**Ranges & resolution for select sensors**

<table>
<thead>
<tr>
<th>Sensor</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia (NH₃)</td>
<td>0 – 500 ppm 5 ppm</td>
</tr>
<tr>
<td>Carbon dioxide (CO₂)</td>
<td>0 – 5 % vol 0.01 % vol</td>
</tr>
<tr>
<td>Carbon monoxide (CO)</td>
<td>0 – 300 ppm 1 ppm</td>
</tr>
<tr>
<td>Chlorine (Cl₂)</td>
<td>0 – 10 ppm 0.1 ppm</td>
</tr>
<tr>
<td>Chlorine dioxide (ClO₂)</td>
<td>0 – 2 ppm 0.01 ppm</td>
</tr>
<tr>
<td>Combustible (Infrared)</td>
<td>0 – 100 % LEL 0.5 %</td>
</tr>
<tr>
<td>Ethylene oxide (C₂H₄O)</td>
<td>0 – 20 ppm 0.1 ppm</td>
</tr>
<tr>
<td>Hydrogen (H₂)</td>
<td>0 – 2,000 ppm 2 ppm</td>
</tr>
<tr>
<td>Hydrogen chloride (HCl)</td>
<td>0 – 30 ppm 0.2 ppm</td>
</tr>
<tr>
<td>Hydrogen cyanide (HCN)</td>
<td>0 – 50 ppm 0.5 ppm</td>
</tr>
<tr>
<td>Hydrogen fluoride (HF)</td>
<td>0 – 10 ppm 0.1 ppm</td>
</tr>
<tr>
<td>Hydrogen sulfide (H₂S)</td>
<td>0 – 100 ppm 0.2 ppm</td>
</tr>
<tr>
<td>Nitric oxide (NO)</td>
<td>0 – 100 ppm 1 ppm</td>
</tr>
<tr>
<td>Nitrogen dioxide (NO₂)</td>
<td>0 – 50 ppm 0.2 ppm</td>
</tr>
<tr>
<td>Oxygen (O₂)</td>
<td>0 – 25 % vol 0.1 %vol</td>
</tr>
<tr>
<td>Ozone (O₃)</td>
<td>0 – 1 ppm 0.01 ppm</td>
</tr>
<tr>
<td>Phosphine (COCL₂)</td>
<td>0 – 2 ppm 0.01 ppm</td>
</tr>
<tr>
<td>Phosphine (PH₃)</td>
<td>0 – 10 ppm 0.05 ppm</td>
</tr>
<tr>
<td>PID (VOC)</td>
<td>0 – 2,000 ppm 0.5 ppm</td>
</tr>
<tr>
<td>Silane (SiH₄)</td>
<td>0 – 500 ppm 0.1 ppm</td>
</tr>
<tr>
<td>Sulphur dioxide (SO₂)</td>
<td>0 – 10 ppm 0.1 ppm</td>
</tr>
</tbody>
</table>

**Other Specifications**

- **Dimensions**: 2.95x4.33x2.17 in (75x110x55 mm)
- **Weight**: 10 oz (280 g) w/O₂, LEL, CO₂ or H₂S and IR CO₂, 14 oz (380 g) above w/IR, CO₂ or PID
- **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 CO₂ or PID
- **Charge time**: 8 hours
- **Alarms**: Vibrating: Standard Audible: 103 db (30 cm) Visual: Bright, 360° wraparound backlit display
- **Housing**: IP-67 (dust proof and highly water resistant)
- **Temperature range**: -4 to +131°F (-20 to +55°C)
- **Humidity range**: 5 to 95% r.h. (non-condensing)
- **Pressure Range**: 700 to 1,300 hPa
- **Intrinsic safety**: c-CSA-us Class I, Div. 1, Groups A, B, C, D Temperature Code T3
- **EMI/RFI resistance**: EMC Directive 89/336/EEC

**Datalogging**

- Standard on all instruments
- Records gas readings
- Gas alarms
- Zero Point Adjustments and calibrations
- Full datalogging functionality (1,650 logged intervals)

**Optional Accessories**

- Motorized pump
- Datalogging kit
- Docking Station
- Calibration gas, kits and regulators

**Warranty**

Limited lifetime on instrument and electronics. Two years on most sensors, three years on select sensors including O₂, LEL (Catalytic), LEL, CO₂, H₂S and IR CO₂. Refer to GfG complete warranty for details

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**Specifications subject to change without notification**

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