

G460

The World's Most Advanced Multi-sensor Atmospheric Monitor



G460 Multi-gas Detector

- Exceptional **HAZMAT** and **Confined Space** performance
- Up to **6 channels** of detection, including...
- **PID sensor** for direct reading of toxic VOCs
- Full **3-year warranty** on O₂, combustible, CO and H₂S sensors
- Wide range of additional sensors including CO₂, SO₂, Cl₂, NH₃, PH₃, H₂, NO, NO₂, O₃, ETO *and more!*
- Highly configurable **smart sensor** design
- Full featured, rugged design
- **Affordable price!**



GfG Instrumentation

1194 Oak Valley Dr, Ste 20, Ann Arbor MI 48108 USA
(800) 959-0329 • www.gfg-inc.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.

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, PH₃, NO₂, HCN, ETO, ClO₂, HF, O₃, NO and H₂; as well as Infrared (NDIR) sensors for the direct measurement of CO₂, and photoionization detectors (PID) for the measurement of volatile organic chemical (VOC) hazards.

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 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 consumable components. O₂, LEL, H₂S, CO and COSH 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 be completely recharged in less than four hours in the drop-in cradle charger. Rechargeable battery packs can even be equipped with optional "flash light" LEDs.



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 built-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.

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.



Datalogging Standard

All G460 instruments are equipped with datalogging. The datalogger records gas concentrations and alarms on a moment-to-moment basis. Monitoring results can be downloaded to a PC for viewing, storage and evaluation.

Accessories

Each G460 comes complete with sensors and battery pack (as specified), cal adapter and manual. Rechargeable instruments additionally include a drop-in cradle charger and wall power adapter. The G460 DS400 Docking Station offers completely automatic functional testing, calibration, instrument charging and record keeping.



Technical Data

G460 gas monitor

Standard ranges and resolution for select sensors:

LEL	0-100% LEL	0.5%
CH ₄	0-5% volume	0.05%
O ₂	0-25% volume	0.1%
CO	0-300 ppm	1 ppm
H ₂ S	0-100 ppm	0.2 ppm
CO ₂	0-50,000 ppm	50 ppm
VOC	0-2,000 ppm	0.5 ppm
SO ₂	0-10 ppm	0.1 ppm
NH ₃	0-500 ppm	1 ppm
Cl ₂	0-10 ppm	0.1 ppm
PH ₃	0-10 ppm	0.1 ppm
NO ₂	0-50 ppm	1.0 ppm

Dimensions: 2.5x4.3x2.0 inches (90x140x55 mm)

Weight:

10 oz. (280 g) with O₂/LEL/CO/H₂S sensors,
14 oz. (380 g) with above plus IR CO₂ or PID

Housing: IP-67 (dust and highly water resistant)

Power: 2 AA alkaline batteries or rechargeable NiMH pack

Charge time: 4 hours with rechargeable NiMH battery pack and smart charger

Operation time: Up to 24 hours of continuous operation with LEL and toxic sensors; up to 10 hours with IR CO₂ or PID sensors

Ambient temperature range:
-4° to +122°F (-20 to 50°C)

Alarms:

Vibrator alarm: standard

Audible: 103 dB at 30 cm

Visual: Bright, 360° wraparound LED's, plus heterochromatic (green / orange / red) backlit display

Intrinsic Safety:

ATEX II 2G Ex ia de IIC T4/T3
IECEx and CSA pending

EMI/RFI resistance: EMC Directive 89/336/EEC

Warranty: Limited lifetime on instrument and electronics; 3 yrs from date of purchase for O₂, LEL, CO, H₂S, COSH and CO₂ sensors. PID and other sensors 1 or 2 yrs.

Distributed by:



GfG Instrumentation

Tel: (800) 959-0329 or (734) 769-0573

Fax: (734) 769-1888

E-mail: info@gfg-inc.com

Website: www.gfg-inc.com