G450 Multi-gas Detector
Exceptional Confined Space Performance

• Compact and robust 1 to 4 sensor design
• Interchangeable battery packs for up to 25 hours of continuous operation
• Full 3-year warranty on all sensors
• Highly water resistant (IP 67)
• Optional motorized pump operates in diffusion or sample-draw mode

Worldwide manufacturer of gas detection solutions
G450 Series

Continuously measures up to four gas hazards
The G450 Confined Space Gas Detector continuously measures up to four hazards (CO, H₂S, O₂ and percent LEL combustible gas) in air.

Water resistant design
The G450 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.

Three year warranty on all sensors
Dependable and accurate G450 sensors keep the cost-of-ownership down. All sensors – including O₂, LEL combustible, CO and H₂S sensors – carry a full three year warranty from the date of purchase.

Easy operation
The G450 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.

Up to 25 hours continuous operation
G450 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.

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.

Loud audible and bright visual alarms warn users of dangerous conditions
The G450 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.

Top-mounted display easy to read even in the dark
Whether it’s worn on your belt or held by hand, the G450 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.

G450 gas monitor

Gases
Combustible gases (% LEL)
Oxygen (O₂)
Carbon monoxide (CO)
Hydrogen sulfide (H₂S)

Detection range and resolution
LEL 0-100% LEL 0.5%
CH₄ 0-5% volume 0.05%
O₂ 0-25% volume 0.1%
CO 0-300 ppm 1.0 ppm
H₂S 0-100 ppm 0.2 ppm

Expected sensor lifetime
LEL 3 years
O₂ 3 years
CO 3 years or longer
H₂S 3 years or longer

Datalogging: included standard
1,890 intervals (55 hours at 2 min int.); additionally stores events, calibration history and other information

Operational time
Up to 25 hours (with either type battery pack)

Charge time
4 hours with rechargeable NiMh battery pack and smart charger

Power source
2 "AA" batteries or rechargeable NiMh battery pack

Temperature range
-4° to +122°F (-20 to 50°C) ambient
5 to 95% r.h. (non-condensing)

Alarms
Vibrator alarm: standard
Audible: 103 dB at 30 cm
Visual: Bright, 360° wraparound LED’s, plus heterochromatic (green / orange / red) backlit display

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

Specifications subject to change without notification
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