

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



GfG Instrumentation

G450 Series

Watertight design

GfG's G450 is a compact and lightweight 4-gas detector that continuously measures CO, H₂S, O₂ and combustibles in ambient air. Its functional and watertight design (IP 67) incorporates an impact proof, rubberized housing to meet the toughest requirements of harsh environments.

Easy operation

The G450 simplifies gas detection with three menu-driven soft touch keys. A large graphic display provides accurate readings of all sensors at a glance.

Long life sensors

Factory-calibrated sensors ensure accurate readings. The extended sensor life reduces the cost of ownership. Sensors come with a three year warranty.

Operation time

Depending on the frequency and duration of alarms, the device will operate for up to 25 hours. Only 4 hours are needed to fully recharge a unit equipped with the NiMH battery pack.

Perfect alarm system

An extremely loud audible alarm (103 dB at 30 cm) and bright, rotating alarm lights provide a reliable warning for gas hazards. Depending on the severity of the alarm, the display changes color from green to orange or red. The detector's battery status and readiness for operation are continuously monitored and displayed. Critical conditions will cause an immediate alarm. TLV, TWA and STEL values are continuously monitored. A vibrating alarm gives an extra degree of protection in loud environments.

Sampling pump

A detachable, self-powered pump is available for sampling confined spaces prior to entry. A low flow alarm is triggered in the event of insufficient flow to the monitor caused by blocked or bent tubing.

Datalogger

The datalogger records gas concentrations and alarms over a period of 50 hours. The data can be downloaded to a PC for viewing, storage and evaluation.

Easy viewing

The large, high resolution top-mounted display can be flipped 180° by pressing two buttons, allowing measurements to be easily read while the detector is being worn on a belt, pocket or lapel.



G450 with pump

Interchangeable battery packs

Rechargeable NiMH or alkaline battery cartridges are easily interchangeable in the field, allowing the user to choose the best choice for their application. The intelligent electronics automatically recognize the type of battery pack installed, allowing the remaining power level to be displayed accurately.

Technical Data

G450 gas monitor

Gases

Combustible gases (CH₄)
Oxygen (O₂)
Carbon monoxide (CO)
Hydrogen sulfide (H₂S)
COSH (dual channel CO and H₂S sensor)

Detection range and resolution

CH ₄	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	1 ppm
COSH	CO (0-300 ppm) and H ₂ S (0-100 ppm)	1 ppm

Expected sensor lifetime

CH ₄	3-5 years
O ₂	3 years
CO	up to 4 years
H ₂ S	3 years
COSH	3 years

Operational time

Up to 25 hours

Charge time

4 hours with rechargeable NiMH cartridge

Power source

2 "AA" batteries or rechargeable NiMH battery cartridge

Temperature range

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

Alarms

Audible - 103 dB at 30 cm (restrictable to 95 dB)
Visual - Bright, rotating 360° LED's, plus heterochromatic backlit display
Vibrating alarm

Casing

IP 67 (dust and highly water resistant)

Accessories

Datalogging kit
Self powered detachable sample pump (run-time up to 25 hours)
Spare battery cartridges (alkaline or rechargeable)
Rechargeable (NiMH) battery cartridge with optional LED flashlight

Weight

0.62 pounds (280 g)

Dimensions

4.4x2.6x2 inches (66x11.8x50.8 mm) (HxWxD)

Rating and certifications (intrinsic safety)

cCSAus
Class I, Division 1, Group A, B, C, and D
Hazardous locations Temp code T3



Specifications subject to change without notification

Distributed by:



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