



® Knowledge  
Beyond  
Measure.



# Real-Time Gas Monitoring Solutions

Intrinsically safe, continuous gas  
monitoring for any environment.  
Up to 6 gas sensors with PID.



The Gas Monitor GM460 is an intrinsically safe instrument that can be used in confined spaces.

**This gas sensor is approved for use in explosive atmospheres (CSA explosion class of Ex ia IIC Ta Ga).**

### **Confined Space Entry**

- Monitor LEL, O<sub>2</sub>, CO, and H<sub>2</sub>S
- Internal sample pump
  - Pull samples up to 40'
  - Maintain steady sample flow to sensors
- Audible, visual and vibration alarms
- Ideal for refinery applications
- Man down and panic alarms
- Optional sensors for toxic gases and VOCs

### **VOC Monitoring**

- PID library of over 600 VOCs (10.6 eV lamp)
- Robust photo ionization detector (PID)
- Two ranges available, 0-50,000 ppb or 0-6,000 ppm
- Can be combined with other sensors to maximize capability
- Accepts 10.6eV and / or 10.0eV PID lamps
- Benzene specific pre filter tube available

### **Leak Investigation**

- Provides ppm detection of combustible gas
- Leak check with changing blink / pulsing rate
  - LED's and alarm tones increase in frequency as gas concentration increases
- Audible alarm silence
  - Perform leak investigations without alarming residents
- Barhole mode for tracking leak migration
- Man down alarm

### **Fire Industry**

- Monitor low ppm levels of dangerous gases like ammonia, hydrogen sulfide, and carbon monoxide commonly found in methamphetamine labs
- Simultaneously monitor typical confined space hazards like LEL combustibles, oxygen deficiency, carbon monoxide and hydrogen sulfide
- Find trace levels of flammables in arson investigation
- Combat carbon monoxide leaks, air quality, or strange odors confidently



# Gas Monitor GM460



## Monitor up to 6 gases

- LEL, O<sub>2</sub>, H<sub>2</sub>S, CO
- 2 Smart sensor slots
  - PID for VOC's
  - IR for CH<sub>4</sub>, HC, & CO<sub>2</sub>
  - EC for NH<sub>3</sub>, Cl<sub>2</sub>, HCN, NO<sub>2</sub>, & SO<sub>2</sub>

## 5 Operating modes

- Normal
- Leak Check
- Inert
- Bar Hole
- Snap Log

## PID Library of more than 600 VOC's

- 50,000 ppb / 6,000 ppm ranges
- Easily choose a target VOC
  - User defined VOC list of 30
  - Recently used VOC list of last 8

## LED flashlight

- On-demand light source

## Glove friendly, glow in the dark buttons

## Interchangeable battery options

- Lithium-ion pack operates 14 hours
  - Complete recharge in 3 hours
- Alkaline pack operates 8 hours

## 9 Languages

- English, Spanish, French, German, Italian, Japanese, Korean, Portuguese, Russian

## Smallest 6 gas sample draw

- High impact rubber boot
- Ergonomic, light weight design fits comfortably in hand

## Alarms

- 2 Adjustable gas alarms per channel
- Man down alarm
- Panic alarm
- 4 Alarm LED's
- Audible and vibration alarms
- Trouble alarms for low flow, sensor connection, low battery, circuit error and calibration

## LCD Display

- Auto flip display
- Peak bar graphs
- Adjustable auto backlight
- Customize order of gases
- Single gas view with large font and auto sequence

## LEL protection mode

- Shields LEL sensor from damaging high hydrocarbon exposure

## Custom unit identification

- User and station ID selection menu
- Assign multiple users to select within one instrument

## Weather & dust resistant

- IP-67



# MONITOR OUTDOOR MASS AND GAS IN REAL-TIME

Mount the Gas Monitor GM460 inside the DustTrak™ Environmental Monitor to measure aerosols and gas at the same time. The addition of the Thiamis 1000™ allows you to view your data remotely. View and download your data from both instruments using your desktop or directly from your mobile device.



## Calibration Station CS460

- Stand-alone station (no PC Required)
- Charge, calibrate, bump test, and alarm test
- Included software collects calibration, bump test, alarm history, and exposure date from instruments
- Automatically power instruments on / off for scheduled calibration
- Accepts GM460 with or without rubber boot



## BENZENE SPECIFIC GAS MONITOR GM460

Measures 0.01 – 50 ppm with 10.0 eV PID lamp and pre-filter tube.

### Applications:

- Petroleum/oil refining
- Chemical manufacturing
- Rubber and tire manufacturing
- Coke and coal manufacturing
- Fuel storage and tank farms
- Hazmat response teams



## Optional Accessories

- Carrying case
- Hose length up to 40 feet
- Flexible probe
- Lithium ion battery
- 1R communication USB cable
- Thiamis 1000™ Node



Knowledge Beyond Measure.

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