



# REAL-TIME GAS MONITORING SOLUTIONS

INTRINSICALLY SAFE,  
CONTINUOUS GAS MONITORING  
FOR ANY ENVIRONMENT.  
UP TO 6 GAS SENSORS  
WITH PID.



UNDERSTANDING, ACCELERATED



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 LLC 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



Specifications are subject to change without notice.

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