



® 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, O₂, CO, and H₂S
- 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

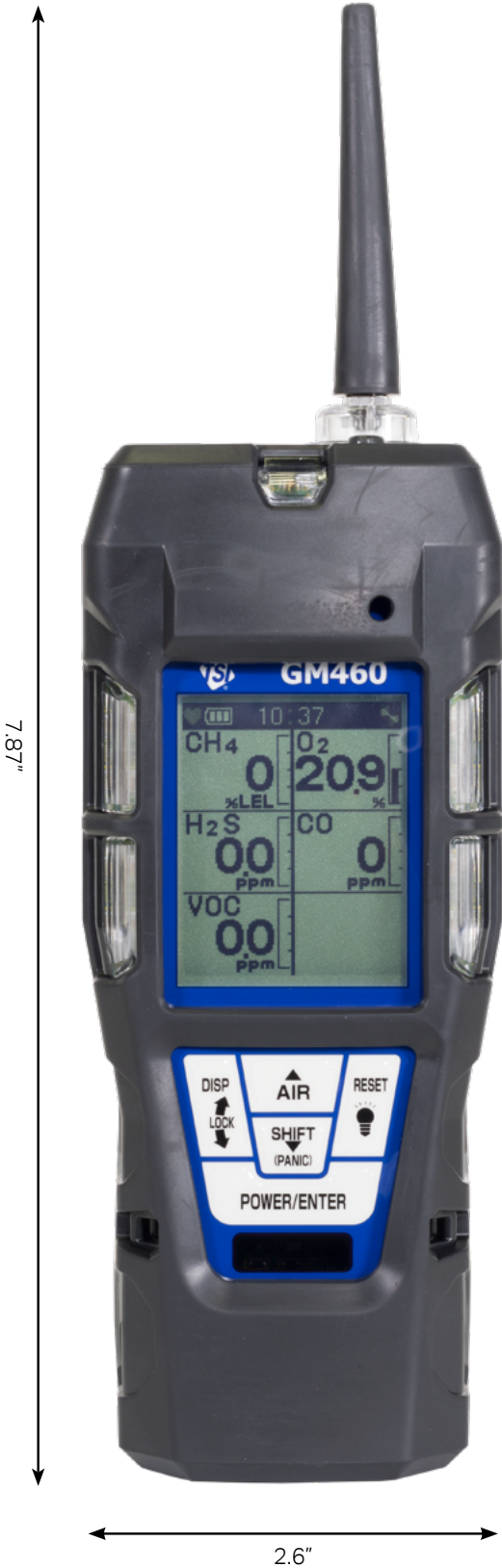
- Provides ppm detection of combustible gas
- Leak check with changing blink / pulsing rate
 - LED's and alarm tones increase in frequency as gas concentration increases
- Audible alarm silence
 - Perform leak investigations without alarming residents
- Barhole mode for tracking leak migration
- Man 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, O₂, H₂S, CO
- 2 Smart sensor slots
 - PID for VOC's
 - IR for CH₄, HC, & CO₂
 - EC for NH₃, Cl₂, HCN, NO₂, & SO₂, CO, and H₂S

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



Gas Monitor and Accessories

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



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