

Portable Gas Monitor with PID

RAE EntryRAE

The EntryRAE is the first confined space (CSE) monitor to protect you from both the expected and the unexpected. EntryRAE starts with the 4 traditional CSE sensors – Oxygen (O₂), Lower Explosive Limit (LEL), Hydrogen Sulfide (H₂S), and Carbon Monoxide (CO) – and adds a Photoionization Detector (PID) to protect you from over 300 toxic volatile organic compounds (VOCs) that are found in substances such as fuels, oils, degreasers, and paints. Applications include refineries, semi-conductor manufacture, chemical processing, and agriculture.

FEATURES

- Up to 5 sensors in one monitor
- Interchangeable lithium-ion and alkaline battery packs
- Up to 16 hours of continuous operation
- Big, easy-to-read display
- Programmable alarms
- Datalogging
- Sample draw over 100' (30 meters)
- Visual alarm with bright red flashing LEDs
- Loud audible alarms
- 0-999 ppm measurement of total VOCs with 1 ppm resolution
- Low-flow pump flow alarm



SPECIFICATIONS

| | | | | |
|-------------------------|---|-------------------|---------------------------------|--|
| Sensor: | Range | Resolution | High | 3 beeps and flashes per second, |
| Broadband Chemical | 0 - 999 ppm VOC | 1 ppm VOC | Low | 2 beeps and flashes per second |
| Oxygen | 0-30% | 0.1% | STEL and TWA | 1 beep and flash per second |
| Combustible Gases | 0-100% LEL | 1% LEL | | Low battery displays empty battery symbol, |
| Carbon Monoxide | 0-500 ppm | 1 ppm | | 1 beep per minute |
| Hydrogen Sulfide | 0-100 ppm | 1 ppm | | |
| Size: | 5.9" L x 3.3" W x 1.9" H (15 x 8.3 x 4.8 cm) without clip | | | |
| Weight: | 20 oz. (567g) with battery and clip | | | |
| Sensors: | 4 or 5 sensors: Protected catalytic bead for combustible gases Electrochemical sensors for oxygen and hydrogen sulfide H ₂ S) and carbon monoxide (CO) Photoionization detector for broadband detection of VOCs using 10.6 eV lamp | | | |
| Battery: | <ul style="list-style-type: none"> • Drop in rechargeable li-ion battery pack • Standard alkaline battery adapter • Charging cradle doubles as external battery charger | | | |
| Operating Hours: | 16 hours with continuous li-ion battery pack, 12 hours with alkaline | | | |
| Display: | Large 1.4" x 1.8" (3.5 x 4.5 cm) display with automatic back-lighting in dim light or alarm condition | | | |
| Direct Readout: | Instantaneous for 5 values: Oxygen as percentage by volume, Combustible gas as percentage of lower explosive limit (LEL), VOCs, CO and H ₂ S, as parts per million, TWA and STEL values for VOCs, CO, H ₂ S, High and low values for all gases | | | |
| | | | Keypads: | 1 operation key and 2 programmable keys |
| | | | EMI/RFI: | Highly resistant to EMI/RFI. Compliant with EMC Directive 89/336 /EEC |
| | | | IP Rating: | IP55: protected against dust, protected against low pressure jets of water from all directions |
| | | | Communication: | RS232 |
| | | | Calibration: | Two point field calibration for zero and span gas |
| | | | Sampling Pump: | Internal pump, 500 cc per minute flow rate |
| | | | Low Flow Alarm: | Auto shut off at low flow condition |
| | | | Hazardous Area Approval: | UL Class 1 Div. 1, groups A, B, C, D T3C pending, CSA pending, ATEX pending |
| | | | Temperature: | -4° to 113°F (-20° to 45°C) |
| | | | Humidity: | 0 to 95% Relative Humidity (non-condensing) |
| | | | Attachments: | Stainless steel alligator clip (installed), wrist strap |
| | | | Warranty: | Lifetime on non-consuming components (per RAE Standard Limited Warranty), 2 years for O ₂ , LEL and CO, and H ₂ S sensors, 1 year for PID, 1 year for pump and battery |

CALL GEOTECH TODAY (800) 833-7958

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