

Portable Gas Monitor

ToxiRAE II

The ToxiRAE II single gas monitor continuously displays toxic gas concentrations and costs just a little more than disposable detectors. Unlike typical disposables that only display remaining life, the ToxiRAE II is a full-featured gas monitor providing continuous, digital display of the gas concentration, STEL, TWA and Peak values as well as high, low, TWA, and STEL alarms. The ToxiRAE II does not have a pre-programmed expiration date so you get the full life out of the battery and sensor. Sensors and battery are easily replaced in the field.

FEATURES

- Large, easy-to-read continuous display of gas concentration in ppm
- Displays STEL, TWA, and Peak values
- Sensors available: H₂S, CO, O₂, NH₃, Cl₂, ClO₂, PH₃, SO₂, HCN, NO, and NO₂
- Cost Effective
- Field replaceable battery and sensor
- 2 - year warranty

DEFAULT SENSOR SETTINGS

Gas	Range (ppm)	Resolution (ppm)
Ammonia (NH ₃)	0-50	1
Carbon Monoxide (CO)	0-500	1
Carbon Monoxide (CO)*	0-1999	10
Chlorine (Cl ₂)*	0-10	0.1
Chlorine Dioxide (ClO ₂)*	0-1	0.01
Hydrogen Cyanide (HCN)*	0-100	1
Hydrogen Sulfide (H ₂ S)	0-100	1
Nitric Oxide (NO)*	0-250	1
Nitrogen Dioxide (NO ₂)*	0-20	0.1
Oxygen (O ₂)	0-30%	0.1%
Phosphine (PH ₃)*	0-5	0.01
Sulfur Dioxide (SO ₂)*	0-20	0.1

*Call for availability (sensors are not interchangeable)



You are in control

- You turn it on and off
- User adjustable High, Low, STEL, and TWA alarms
- Varying audio alarm signals for different alarm conditions
- Bright red flashing alarm
- Loud 90 dB buzzer
- Built-in vibration alarm
- Holds Peak values
- Simple calibration

Accessories

- Rubber boot, calibration gas

Geotech Environmental Equipment, Inc.

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DETECTOR SPECIFICATIONS

Size	3.6" (9.3cm) x 1.9" (4.9cm) x 0.9" (2.2cm)
Weight	3.6 oz (102 g) with clip
Battery	User replaceable 2/3 AA high capacitance Lithium battery
Operating Period	When used 8 hours a day with less than 5 minutes of alarms per day, 2 years typical battery life for CO, H ₂ S, and O ₂ sensors. One year typical life for all other sensors.
Display	Easy to read LCD for continuous display of concentration in ppm and text messages
Keypad	One button operation
Direct Readout	<ul style="list-style-type: none"> Instantaneous display of toxic gas concentration in ppm (or oxygen in vol%) STEL & TWA values Peak hold
Alarms	<ul style="list-style-type: none"> Audible: 90dB at 10cm Visual: Bright Red/Green LED bar visible from top, front, and sides Sensory: Built in vibration alarm High: Displays "High" emits 3 beeps and flashes per second Low: Displays "Low" emits 2 beeps and flashes per second STEL: Displays "STEL" emits 1 beep and flash per second TWA: Displays "TWA" emits 1 beep and flash per second Low battery displays empty battery symbol, 1 beep per minute
Calibration	Two point field calibration; Auto-zero at startup, user initiated span/standard reference gas.
EMI/RFI	Highly resistant to EMI / RFI. Compliant with EMC Directive 89/336/EEC
IP Rating	IP-55: protected against dust, protected against low pressure jets of water from all directions
Hazardous Area Approval	<ul style="list-style-type: none"> UL/cUL Classified as Intrinsically Safe for use in: Class I, Division 1, Groups A, B, C, D, Hazardous Locations T6 rating ATEX II 1G, EEx ia IIB T6 II 2G, EEx ia IIC T6 CE Mark, European Conformity (Conformite Europeene)
Temperature	<ul style="list-style-type: none"> -4 to 114°F (-20 to 45°C) for O₂, CO, and H₂S. Other toxic sensors are similar, for specific temperature ranges for other sensors please reference RAE systems Tech Note 114
Humidity	0 to 95% relative humidity (non-condensing)
Attachments	Wrist strap, stainless steel alligator clip (installed), stainless steel belt clip/hardhat adapter
Warranty	2-year warranty for instrument and CO, H ₂ S, and O ₂ sensors (all other sensors have 1 year warranty)

**On going projects to enhance our products means that these specifications are subject to changes

CALL GEOTECH TODAY (800) 833-7958

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