

# ToxiRAE 3

Personal Gas Monitor for CO and H<sub>2</sub>S



Actual size

**Lowest cost of ownership on the market**

**Rugged steel housing for harsh environments**

**Fastest instrument response time on the market for better protection and worker safety**

**Fastest bump station on the market with highest productivity, putting workers back to work quickly**

**Compact, low-cost bump and calibration station enables the ability to put the bump capability where it is needed**

The ToxiRAE 3 is a full-featured single-gas monitor that offers unequalled cost of ownership value. The ToxiRAE 3 is compatible with the AutoRAE Lite bump and calibration station. STEL, TWA, low, and high alarms can also be recorded. The detector is warranted for 2 years and maintenance free with replaceable battery.

## Key Features

- High-performance 3-electrode pinless micro sensor with the fastest response time
- 0.1 ppm H<sub>2</sub>S resolution, and high-range 1999 ppm CO available
- Large, easy-to-read display facilitates overview of gas concentration or days remaining (end-user adjustable)
- Event logging of up to 10 events
- Full activity records when used with AutoRAE Lite calibration station
- Intuitive, simple-to-operate user interface
- IP-67 water-proof and dust resistant
- Loud, 95 dB audible alarm, bright red flashing visible LEDs and internal vibration alarm
- Color-coded labels for gas type
- Extended operating temperature of -4° to 140° F (-20° to +60° C) with full T4 approval
- User-configurable bump/calibration reminders



Convenient small size



Bump testing ToxiRAE 3 with AutoRAE Lite Bump Test and Calibration Station



IECEX

ATEX



# ToxiRAE 3

## Specifications

### Sensor Specifications\*

Gas	Range (ppm)	Resolution (ppm)
H <sub>2</sub> S	0 to 100	0.1
CO	0 to 500	1
CO	0 to 1999	1

### Detector Specifications\*

<b>Size</b>	3.4" x 2.2" x 0.8" (8.6 cm x 5.5 cm x 2.0 cm)
<b>Weight</b>	12.3 oz (76 g)
<b>Battery</b>	User-replaceable 2/3 AA high-capacity lithium
<b>Alarms</b>	<ul style="list-style-type: none"><li>• 95 dB typical (at 30 cm) buzzer and flashing red LED to indicate exceeded preset limits</li><li>• High: Displays "High" and emits 3 beeps and flashes per second</li><li>• Low: Displays "Low" and emits 2 beeps and flashes per second</li><li>• STEL: Displays "STEL" and emits 1 beep and flash per second</li><li>• TWA: Displays "TWA" and emits 1 beep and flash per second</li><li>• Vibration alarm</li><li>• 6-LED visible alarm</li></ul>
<b>Data logging</b>	10 events
<b>Response time</b>	T90 < 12 seconds
<b>IP Rating</b>	IP-67
<b>EMI/RFI</b>	Highly resistant to EMI/RFI. Compliant with EMC directive 89/336/EEC
<b>Certification</b>	US and Canada: C1D1, Groups A, B, C, D, T4 Europe: ATEX II 1G EEx ia IIC T4 IECEX: Ex ia IIC T4
<b>Operating Temperature</b>	Continuous: -4° to 140° F (-20° to +60° C) Intermittent: -22° to 140° F (-30° to +60° C)
<b>Humidity</b>	0 to 95% relative humidity (non condensing)
<b>Warranty</b>	2 years, including sensor and battery if used within specs
<b>Calibration</b>	Two-point calibration for zero and span.

\*Specifications are subject to change

## ToxiRAE 3 Ordering Options

### Pack of 1

ToxiRAE 3 with specified sensor:

- 2/3 AA lithium battery
- One mini-CD with instruction manual and training materials
- Alligator clip
- Calibration adapter

### Pack of 10

- 10 ToxiRAE 3 monitors with specified sensor
- 2 mini-CDs with instruction manual and training materials
- 2 calibration adapters
- 10 alligator clips

### Pack of 100

10 packs of 10

### Accessories (optional)

- Slide-in belt clip
- AutoRAE Lite Bump Test and Calibration Station



AutoRAE Lite

## Ordering Information

### Part Numbers

#### ToxiRAE 3 Monitor

Monitor	Pack of 1	Pack of 10	Pack of 100
H <sub>2</sub> S	G01-0102-000	G01-0102-010	G01-0102-100
CO Low range	G01-0101-000	G01-0101-010	G01-0101-100
CO High range	G01-0103-000	G01-0103-010	G01-0103-100

#### AutoRAE Lite

Bump Test and Calibration Station	T01-0100-000
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