ToxiRAE 3

Personal Gas Monitor for CO and H$_2$S

The ToxiRAE 3 is a full-featured single-gas monitor that offers unequaled cost of ownership value. The ToxiRAE 3 is compatible with the AutoRAE Lite bump and calibration station. The detector features a 2 year warranty and can record STEL, TWA, high, and low alarms.

Actual size

Lowest cost of ownership on the market

Rugged stainless 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

Key Features

- High-performance, 3-electrode, pinless micro sensor with the fastest response time

- 0.1 ppm H$_2$S resolution, and high-range 1999 ppm CO available

- Large, easy-to-read display for 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- 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   ISO 9001 CERTIFIED

Specifications

Sensor Specifications*

Gas	Range (ppm)	Resolution (ppm)
H_2S	0 to 100	0.1
CO	0 to 500	1
CO	0 to 1999	1

Detector Specifications*

Size	3.4" x 2.2" x 0.8" (8.6 cm x 5.5 cm x 2.0 cm)
Weight	3.5 oz (99.4 g)
Battery	User-replaceable 2/3 AA high-capacity lithium
Alarms	• 95 dB typical (at 30 cm) buzzer and flashing red LED to indicate exceeded preset limits • High: Displays "High" and emits 3 beeps and flashes per second • Low: Displays "Low" and emits 2 beeps and flashes per second • STEL: Displays "STEL" and emits 1 beep and flash per second • TWA: Displays "TWA" and emits 1 beep and flash per second • Vibration alarm • 6-LED visible alarm
Data logging	10 events
Response time	T90 < 12 seconds
IP Rating	IP-67
EMI/RFI	Highly resistant to EMI/RFI. Compliant with EMC directive 89/336/EEC
Certification	US and Canada: C1D1, Groups A, B, C, D, T4 Europe: ATEX II 1G EEx ia IIC T4 IECEX: Ex ia IIC T4
Operating Temperature	Continuous: -4° to 140° F (-20° to +60° C) Intermittent: -22° to 140° F (-30° to +60° C)
Humidity	0 to 95% relative humidity (non-condensing)
Warranty	2 years, including sensor and battery if used within specs
Calibration	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

AutoRAE Lite

Ordering Information
Part Numbers

ToxiRAE 3 Monitor

Monitor	Pack of 1	Pack of 10	Pack of 100
H_2S	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

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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