

ToxiRAE 3

Personal Gas Monitor for CO and H₂S



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 H₂S 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



ToxiRAE 3

Specifications

Sensor Specifications*

Gas	Range (ppm)	Resolution (ppm)
H ₂ S	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	12.3 oz (76 g)
Battery	User-replaceable 2/3 AA high-capacity lithium
Alarms	<ul style="list-style-type: none">• 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 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 ₂ 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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