

TOXIRAE PRO LEL

Personal Wireless Monitor



The ToxiRAE Pro LEL is the world's first personal wireless combustible gas monitor. The ToxiRAE Pro LEL provides safety professionals with wireless remote access to real-time instrument readings and alarm status for better visibility and faster incident response.

The ToxiRAE Pro LEL quickly detects and accurately monitors combustibles in concentrations from 0 to 100% of the lower explosive limit (LEL). With the most extensive onboard gas library in its class, the ToxiRAE Pro LEL can be programmed to automatically read in %LEL of the specified compound.

TOXIRAE PRO LEL COMES WITH

- ToxiRAE Pro LEL monitor with sensor, alligator clip, protective rubber boot, and rechargeable battery installed
- Charging and PC communication cradle
- PC communication cable
- AC adapter (100 to 240 V, 50/60 Hz AC to 12 V DC)
- Calibration adapters
- Quick Start Guide
- CD with documentation
- ProRAE Studio II software for PC-based instrument configuration and data management
- Calibration card, quality certificate, and warranty/registration card

OPTIONAL ACCESSORIES

- AutoRAE 2 Automatic Test and Calibration System
- Multi-unit charging station for up to five monitors

APPLICATIONS:

- Construction
- Foundries
- Oil and gas
- Pharmaceutical
- Steel mills
- Utilities
- Water and wastewater
- Welding / hot work

KEY FEATURES

- Wireless access to real-time instrument readings and alarm status from any location
- Unmistakable five-way local and remote wireless notification of alarm conditions
- 55 built-in LEL correction factors
- Largest display in its class
- Reliable, rugged, and intrinsically safe
- Continuous datalogging
- Easy to use
- Wireless elevates safety to the next level
- Man Down Alarm with real-time wireless remote notification
- Easy to maintain, with replaceable sensor, filter, and Li-Ion battery
- Fully automatic bump testing and calibration with AutoRAE 2

TOXIRAE PRO LEL

SPECIFICATIONS Specifications subject to change without notice

Size	4.6 "H x 2.4" W x 1.2" D (118 x 60 x 30mm)	Communication and Data Download	Data download and instrument set-up on PC via charging and PC comm. cradle Data download via AutoRAE 2 Automatic Test and Calibration System ² Wireless data and status transmission ¹ via built-in RF modem (optional)
Weight	8.29 oz. (235 g)	Wireless Network	ProRAE Guardian Real-Time Wireless Safety System or Closed-Loop Network with the EchoView Host
Sensor	Catalytic bead LEL sensor with 0 to 100% LEL range and 1% LEL resolution. Response time (T 90) < 15 seconds	Wireless Frequency	ISM license-free bands
Detectable Gases	Combustible gases and vapors from paints, coatings, fuels, degreasers, adhesives, solvents, resins, etchers, inks, pesticides, herbicides, etc. using 55 onboard correction factors	Wireless Range (Typical)	ToxiRAE Pro to Mesh Router, EchoView Host, or Mesh Reader ² ~ 330 feet (100 meters) ToxiRAE Pro to RAELink3 Mesh or RAELink3 Z1 Mesh modems ~ 33 feet (10 meters)
Battery	Rechargeable Li-ion battery Operating time: > 12 hours (normal operation, non-wireless) Recharge time: < 4 hours through charging cradle	Operating Temperature	-4° to 122°F (-20° to 50°C)
Display	Graphical LCD display with white LED backlighting (activated when monitor is in alarm or with a button press)	Humidity	0% to 95% relative humidity (non-condensing)
Display Readout	Real-time reading of gas concentrations in parts per million (ppm) or mg/m ³ ; battery status; data logging on/off; wireless on/off and reception quality. Peak values	Dust and Water Resistance	IP-65 rating for dust and water ingress protection (validated by an independent test laboratory)
Keypad	2 buttons for operation and programming	Hazardous Location Approvals	CSA: Class I, Division 1, Groups A, B, C and D. T-code T4 Class I, Zone 0 A/Exia IIC T4 ATEX: CE, Ex II 1G, Ex ia IIC Ga T4 IE CEX: Ex ia IIC Ga T4 China Ex: Ex ia IIC T4
Sampling	Diffusion	CE Compliance	EMC directive: 2004/108/EC. R&TTE directive: 1999/5/EC. ATEX directive: 94/9/EC
Calibration	Automatic with AutoRAE 2 Test and Calibration System ² or manual	Performance Test Compliance	C22.2 No 152 ANSI/ISA-12.13.01
Alarm Modes	Wireless remote alarm notification ¹ ; audible (95 dB @ 30 cm), vibration, visible alarm (flashing bright red LEDs), and on-screen indication of alarm conditions. Man Down Alarm with pre-alarm and real-time remote wireless notification	Warranty	Two years on the LEL sensor and non-consumable components One year on battery, and other consumable parts
Datalogging	Continuous datalogging with a three-month capacity (at one-minute intervals) User-configurable datalogging interval (from 1 to 3,600 seconds)	Part Number	72-8018-LEL

1 Wireless units have a functioning RF modem and are ready for wireless deployments; non-wireless units cannot be upgraded to wireless. Additional equipment and/or software licenses may be required to enable remote wireless monitoring and alarm transmission.

2 Contact Gastech for availability.

3 Specifications are subject to change.



t +61 8 6108 0000

e info@gastech.com

w gastech.com

HEAD OFFICE
24 Baretta Road
Wangara WA 6065
Phone: +61 8 6108 0000

SYDNEY OFFICE
21/25 Narabang Way
Belrose NSW 2085
Phone: +61 2 9451 0054

BRISBANE OFFICE
PO Box 349
Cannon Hill Qld 4170
Phone: +61 7 3160 0901