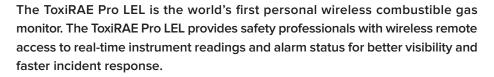


TOXIRAE PRO LEL

Personal Wireless Monitor



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 PCbased instrument configuration and data management
- · Calibration card, quality certificate, and warranty/registration card



- 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)
Weight	8.29 oz. (235 g)
Sensor	Catalytic bead LEL sensor with 0 to 100% LEL range and 1% LEL resolution. Response time (T 90) < 15 seconds
Detectable Gases	Combustible gases and vapors from paints, coatings, fuels, degreasers, adhesives, solvents,resins, etchers, inks, pesticides, herbicides, etc. using 55 onboard correction factors
Battery	Rechargeable Li-ion battery Operating time: > 12 hours (normal operation, non-wireless) Recharge time: < 4 hours through charging cradle
Display	Graphical LCD display with white LED back- lighting (activated when monitor is in alarm or with a button press)
Display Readout	Real-time reading of gas concentrations in parts per million (ppm) or mg/m³; battery status; data logging on/off; wireless on/off and reception quality. Peak values
Keypad	2 buttons for operation and programming
Sampling	Diffusion
Calibration	Automatic with AutoRAE 2 Test and Calibration System ² or manual
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

Continuous datalogging with a three-month

User-configurable datalogging interval (from

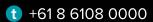
capacity (at one-minute intervals)

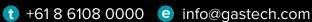
1 to 3,600 seconds)

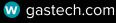
Communication and Data Download	Data download and instrument set-up on PC via charging and PC comm. cradle Data download via AutoRAE 2 Automatic Test and Calibration System ² Wireless data and status transmission ¹ via built-in RF modem (optional)
Wireless Network	ProRAE Guardian Real-Time Wireless Safety System or Closed-Loop Network with the EchoView Host
Wireless Frequency	ISM license-free bands
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)
Operating Tempuature	-4° to 122°F (-20° to 50°C)
Humidity	0% to 95% relative humidity (non-condensing)
Dust and Water Resistance	IP-65 rating for dust and water ingress protection (validated by an independent test laboratory)
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
CE Compliance	EMC directive: 2004/108/EC. R&TTE directive: 1999/5/EC. ATEX directive: 94/9/EC
Performace Test Compliance	C22.2 No 152 ANSI/ISA-12.13.01
Warranty	Two years on the LEL sensor and non-consumable components One year on battery, and other consumable parts
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
- 2 Contact Gastech for availability.
- 3 Specifications are subject to change.









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Datalogging