

The ToxiRAE Pro PID is the world's smallest volatile organic compound (VOC) monitor. Featuring RAE Systems' next-generation PID sensor, the ToxiRAE Pro PID can quickly detect and accurately monitor over 300 VOCs. The ToxiRAE Pro PID provides safety professionals wireless remote access to real-time instrument readings and alarm status for better visibility and faster incident response¹. With an onboard library of 190 correction factors, the ToxiRAE Pro PID can be programmed to automatically read in equivalent units of the specified compound.

FEATURES

- Wireless access to real-time instrument readings and alarm status from any location
- Wireless elevates safety to the next level
- On-board correction factor library for 190 compounds
- Available in Industrial Hygiene (advanced) or Safety (basic) configurations
- Wireless access to real-time instrument readings and alarm status from any location
- Unmistakable five-way local and remote wireless notification of alarm conditions
- Reliable, rugged, and intrinsically safe
- Largest display in its class
- Continuous datalogging³
- Fully automated bump testing and calibration with AutoRAE 2²
- Easy to maintain with replaceable sensor, fan, filter, and battery



ToxiRAE Pro PID with and without the protective rubber boot



APPLICATIONS

- **Environmental Applications**
 - Environmental consulting
 - Soil Remediation
- **Industrial Hygiene and Safety**
 - Oil and Gas
 - Chemical Plants
 - Pharmaceutical Plants
 - Government Health, Safety, Security, and Environmental Agencies
 - Hazardous Materials teams
 - First responders

CALL GEOTECH TODAY

(800) 833-7958

Geotech Environmental Equipment, Inc.

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Technical Specifications

Size	4.6" H x 2.4" W x 1.2" D (118x60x30 mm)
Weight	8.29 oz. (235 g)
Sensor	Photoionization sensor with 10.6eV (standard) or 9.8eV ^{2,3} (optional) lamp. Response time (T90) < 15sec. (Isobutene). Field-replaceable sensor. Easy access to lamp for cleaning.
Detectable Gases	A wide variety of ionizable chemicals using 190 built-in and over 300 published correction factors
Battery	Rechargeable Lithium-ion battery - Operating time: > 12 hours (normal operation) - Recharge time: < 4 hours through charging cradle
Display	Graphical LCD display with white LED backlighting (activated when monitor is in alarm or with a button press)
Display Readout	Real-time reading of VOC concentrations in parts per million or mg/m ³ ; battery status; datalogging on/off; wireless on/off and reception quality - STEL, TWA, and peak values
Keypad	2 buttons for operation and programming
Sampling	Internal fan
Calibration	Automatic with AutoRAE2 Test and Calibration Station ² or manual
Alarm Modes	Wireless remote alarm notification ¹ ; audible (95dB @ 30cm), vibration, visible alarm (flashing bright red LEDs), and on-screen indication of alarm conditions
Datalogging	Continuous datalogging ³ with a three-month capacity (at one-minute intervals) - User-configurable datalogging interval (from 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 AutoRAE2 Automated Test and Calibration Station - Wireless data and status transmission ¹ via built-in RF modem (optional)
Wireless Network	Safety Suite Premium System or Closed-Loop Network with the EchoView Host
Wireless Frequency	ISM license-free bands
Wireless Range (Typical)	ToxiRAE Pro PID to Mesh Router, Echo View Host, or Mesh Reader 2 ~ 330 feet (100 meters) ToxiRAE Pro PID to RAELink3 Mesh or RAELink3 Z1 Mesh modems ~ 33 feet (10 meters)
Operating Temperature	-4° to 131° F (-20° to 50°C)
Humidity	0% to 95% relative humidity (non-condensing)
Dust and Water Resistance	IP54 rating for dust and water ingress protection (validated by an independent test laboratory)
Hazardous Location Approvals	US and Canada: CSAUS Class I, Division 1, Groups A, B, and D. T-code T4 Class I, Zone 0 A/Exia II CT4 Europe: ATEX: CE, Ex II 1G, Exia II C Ga T4 IECEX: Ex ia II C Ga T4 China: Exia IIC T4
CE Compliance (European Conformity)	EMC directive: 2004/108/EC. R&TTE directive: 1999/5/EC. ATEX directive: 94/9/EC
Warranty	- Two years on non-consumable components - One year on sensor, fan, battery, and other consumable parts

INCLUDED ACCESSORIES:

- ToxiRAE Pro PID monitor with sensor as specified, 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 adapter
- Combined instrument/sensor cap removal tool
- Quick Start Guide
- CD with documentation
- Safety Suite Premium software for PC-based instrument configuration and data management
- Technical Note TN-106 with ionization energies and correction factors for 300+ VOCs (Industrial Hygiene versions only)
- Calibration card, quality certificate, packing list, and warranty/registration card

OPTIONAL ACCESSORIES:

- AutoRAE 2 Automated Test and Calibration Station
- Multi-unit charging station for up to five monitors
- Contact Geotech for other accessories, maintenance kits, calibration gas, sensors, and replacement parts

CONFIGURATIONS:

- Industrial Hygiene (advanced) and Safety (basic)² configurations are available
- **Industrial Hygiene configurations:**
 - Advanced PID sensor (10.6 eV; 0.1 to 2,000 ppm; 0.1 ppm resolutions)
 - Datalogging
 - 9.8 eV or 10.6 eV lamp options
- **Safety configurations:**
 - 10.6 eV; 1 to 1,000 ppm; 1 ppm resolution PID
 - No datalogging
 - 10.6 eV lamp option only

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 Geotech for availability.

³ Available with Industrial Hygiene configurations only.

⁴ Specifications are subject to change.

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