

TOXIRAE PRO PID

Personal Wireless Monitor

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 response. 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.

TOXIRAE PRO PID COMES WITH

- 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
- ProRAE Studio II software for PC-based instrument configuration and data management

- Technical Note TN-106 with ionization energies and correction factors for 300+ VOCs3
- 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

- Industrial hygiene and safety
 - Chemical plants
 - Government health, safety, security, and environmental agencies
 - Hazardous materials teams, first responders
 - Oil and gas
- Pharmaceutical plants
- Environmental applications
 - Environmental consulting
 - Soil remediation

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
- Largest display in its class
- Continuous datalogging3
- On-board correction factor library for 190 compounds
- Easy to use
- Reliable, rugged, and intrinsically safe
- Available in Industrial Hygiene (advanced) or Safety (basic) configurations
- Easy to maintain with replaceable sensor, fan, filter, and battery
- Fully automatic bump testing and calibration with AutoRAE 2

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SPECIFICATIONS

Specifications subject to change without notice

Size	118 x 60 x 30 mm
Weight	235 g
Sensor type	Photoionisation (PID)
PID lamp	10.6 eV standard, 9.8 eV optional
Sensor range	0.1 to 2,000 ppm (10.6 eV and 9.8 eV models), 1 to 1,000 ppm (basic safety models)
Resolution	0.1 ppm (standard), 1 ppm (basic safety models)
Response time	T90 less than 15 seconds (isobutylene)
Detectable gases	Over 300 VOCs using 190 built-in and over 300 published correction factors
Sampling	Internal fan
Battery	Rechargeable Li-ion, 12-hour runtime
Display	Graphical LCD with white LED backlighting
Display readout	Real-time VOC concentration in ppm or mg/m ³ , battery status, datalogging on/off, wireless on/off and reception quality, STEL, TWA and peak values
Keypad	2 buttons
Calibration	Automatic with AutoRAE 2 or manual
Alarm modes	Audible 95 dB at 30 cm, vibration, visible flashing red LEDs, on-screen indication, wireless remote notification, Man Down alarm
Datalogging	Continuous, 3-month capacity at 1-minute intervals, user-configurable from 1 to 3,600 seconds
Communication	PC via charging and communication cradle, AutoRAE 2 system, optional built-in RF modem
Wireless network	ProRAE Guardian Real-Time Wireless Safety System or EchoView Host
Wireless frequency	ISM license-free bands
Wireless range	To Mesh Router or EchoView Host approx. 100 m. To RAELink3 modems approx. 10 m
Operating temperature	-20°C to 55°C
Humidity	0 to 95% RH non-condensing
IP rating	IP54
Hazardous location approvals	CSA Class I, Division 1, Groups A, B, C and D, T-code T4, Class I, Zone 0. ATEX II 1G, Ex ia IIC Ga T4. IECEx Ex ia IIC Ga T4. China Ex Ex ia IIC T4
Warranty	2 years on non-consumable components. 1 year on sensor, fan, battery and other consumable parts



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