

TOXIRAE PRO

Personal Wireless Monitor

The ToxiRAE Pro can detect a broad range of gases - from carbon monoxide, hydrogen sulfide, and oxygen to ammonia, chlorine, and formaldehyde.

The ToxiRAE Pro provides safety professionals wireless remote access to real-time instrument readings and alarm status for better visibility and faster incident response.

The ToxiRAE Pro's intelligent interchangeable sensors store calibration data, which allows users to monitor for

one gas one day and another gas the next, by simply swapping the sensors as required³.

The ToxiRAE Pro offers datalogging capability and is equipped with a "Man Down" alarm and policy enforcement to ensure greater safety while making sure compliance



SENSORS

Methanethiol	CH ₃ -SH
Chlorine	Cl ₂
Chlorine Dioxide	ClO ₂
Carbon Monoxide	CO
Ethylene Oxide	ETO
Hydrogen	H ₂
Hydrogen Sulphide	H ₂ S
Hydrogen Chloride	HCl
Hydrogen Cyanide	HCN
Hydrogen Fluoride	HF
Ammonia	NH ₃
Nitric Oxide	NO
Nitrogen Dioxide	NO ₂
Oxygen	O ₂
Phosphine	PH ₃
Sulfur Dioxide	SO ₂

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
- Intelligent sensors store calibration data, so they can be swapped in the field
- Most electrochemical sensors are shared with MultiRAE family instruments
- Largest display in its class
- Continuous datalogging
- Easy to use
- Reliable, rugged, and intrinsically safe
- Compatible with AutoRAE II bump test and calibration station
- Multi-Unit charger available

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SPECIFICATIONS	Specifications subject to change without notice
Size	118 x 60 x 30 mm
Weight	220 g
Sensor	Over 20 intelligent interchangeable field-replaceable electrochemical sensors
Display	Graphical LCD with white LED backlighting, activated on alarm or button press
Display readout	Real-time gas 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 for operation and programming
Sampling	Diffusion
Calibration	Automatic with AutoRAE 2 Test and Calibration System, or manual
Alarm modes	Wireless remote alarm notification, audible (95 dB at 30 cm), vibration, visible alarm (flashing bright red LEDs), on-screen alarm indication, Man Down alarm with pre-alarm and real-time remote notification
Datalogging	Continuous, 3-month capacity at 1-minute intervals, user-configurable from 1 to 3,600 seconds
Communication and data download	PC via charging and communication cradle, AutoRAE 2 system, optional built-in RF modem for wireless transmission
Wireless network	ProRAE Guardian Real-Time Wireless Safety System or Closed-Loop Network with EchoView Host
Wireless range	ToxiRAE Pro to Mesh Router, EchoView Host or Mesh Reader approx. 660 ft (200 m). ToxiRAE Pro to RAELink3 Mesh or RAELink3 Z1 Mesh modems approx. 330 ft (100 m)
Operating temperature	-20°C to 55°C
Humidity	0 to 95% RH, non-condensing
Dust and water resistance	IP65, 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 II 1G, Ex ia IIC Ga T4. IECEx Ex ia IIC Ga T4. China Ex Ex ia IIC T4
EMC/RFI	EMC Directive 2004/108/EC
Wireless approvals	FCC Part 15, CE R&TTE, others
Warranty	3 years on H ₂ S and CO sensors. 2 years on O ₂ sensor. 2 years on non-consumable components. 1 year on all other sensors, battery and other consumable parts



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