

TOXIRAE PRO CO₂

Personal Wireless Monitor



The ToxiRAE Pro CO₂ is the world's first wireless personal carbon dioxide monitor. It 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 offers datalogging capability and is equipped with a "Man Down" alarm and policy enforcement to ensure greater safety while making sure compliance-related procedures such as periodic testing and calibration are performed.

TOXIRAE PRO CO₂ COMES WITH

- ToxiRAE Pro CO₂ 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 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:

- Chemical manufacturing
- Food and beverage
- Wineries and breweries
- Landfills
- Water and wastewater facilities

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 sensor stores calibration data, so it can be swapped in the field
- Largest display in its class
- Continuous datalogging
- Easy to use
- Reliable and rugged
- Wireless remote monitoring enhances worker safety
- 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 CO₂**SPECIFICATIONS**

Specifications subject to change without notice

Size	118 x 60 x 30 mm
Weight	220 g
Sensor type	Non-dispersive infrared (NDIR)
Measurement range	0 to 50,000 ppm CO ₂
Resolution	100 ppm
Display	Graphical LCD with white LED backlighting
Display readout	Real-time CO ₂ 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
Sampling	Diffusion
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. 200 m. To RAELink3 modems approx. 100 m
Operating temperature	-20°C to 55°C
Humidity	0 to 95% RH non-condensing
IP rating	IP65
Hazardous location approvals	Unit cannot be used in hazardous areas
CE compliance	EMC directive: 2004/108/EC. R&TTE directive: 1999/5/EC
Warranty	2 years on non-consumable components. 1 year on all other sensors, battery and other consumable parts



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