

ToxiRAE Pro CO2

Personal Wireless Monitor

Wireless. Personal. Proven.



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.

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

Applications:

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

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

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Analyser specifications:

Size:	4.6" H x 2.4" W x 1.2" D (118 x 60 x 30 mm)
Weight:	7.76 oz. (220 g.)
Sensor:	Nondispersive infrared sensor Range: 0 to 50,000 ppm Resolution: 100ppm
Battery:	Rechargeable Li-ion battery - Operating time: > 11 hours (normal operation 25° C / 77° F, non-wireless) - Recharge time: < 4 hours through charging
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 gas concentrations in parts per million (ppm); 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 @ 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
Datalogging:	- Continuous datalogging 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 AutoRAE 2 Automatic Test and Calibration System - 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 or EchoView Host ~ 660 feet (200 meters) ToxiRAE Pro to RAELink3 Mesh or RAELink3 Z1 Mesh modems ~ 330 feet (100meters)
Operating Temperature:	-4° to 131°F (-20° to 55°C)
Humidity:	0% to 95% relative humidity (non-condensing)
Dust and Water Resistance:	IP-65
Hazardous Location Approvals:	Unit cannot be used in hazardous area
CE Compliance:	EMC directive: 2004/108/EC. R&TTE directive: 1999/5/EC
Warranty:	- Two years on non-consumable components - One year on all other sensors, battery and other consumable parts

Part Number 72-8018-CO2

¹ Wireless units have a functioning RF modem and are ready for wire 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. Specifications are subject to change

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