



ToxiRAE Pro CO₂

Personal Wireless Monitor for Carbon Dioxide

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.

- 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

Optional Accessories

- AutoRAE 2 Automatic Test and Calibration System
- Multi-unit charging station for up to five monitors



AutoRAE 2 with ToxiRAE Pro cradles



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
- Calibration card, quality certificate, and warranty/registration card

FEATURES & BENEFITS

- 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
- Device Management with Honeywell SafetySuite

ToxiRAE Pro CO₂ Specifications

| SPECIFICATIONS | |
|-------------------------------------|---|
| SIZE | 4.6" H x 2.4" W x 1.2" D (11.8 x 6.0 x 3.0 mm) |
| WEIGHT | 7.76 oz. (220 g) |
| SENSORS | Nondispersive infrared sensor Range: 0 to 50,000 ppm Resolution: 100 ppm |
| BATTERY | Rechargeable Li-ion battery - Operating time: > 11 hours (normal operation 25° C / 77° F, non-wireless) - 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 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 (ashing 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 setup 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 (100 meters) |
| 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 (EUROPEAN CONFORMITY) | 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 |

ORDERING INFORMATION (MODEL: PGM-1850)

- Wireless or non-wireless versions are available¹
- Contact your local Honeywell RAE Systems distributor for part numbers for monitors, accessories, maintenance kits, gas, sensors, and replacement parts

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.

Specifications are subject to change.

For more information

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Device Management with
Honeywell SafetySuite



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