

**Honeywell**

**RAE**  
SYSTEMS

# ToxiRAE Pro CO<sub>2</sub>

## Personal Wireless Monitor for Carbon Dioxide

The ToxiRAE Pro CO<sub>2</sub> 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 CO<sub>2</sub> comes with:

- ToxiRAE Pro CO<sub>2</sub> 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 Sotera™

# ToxiRAE Pro CO<sub>2</sub> Specifications

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)
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 <sup>1</sup> 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 available<sup>1</sup>
- 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

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)  
[www.raesystems.com](http://www.raesystems.com)

### Europe, Middle East, Africa

Life Safety Distribution GmbH  
Tel: 00800 333 222 44 (Freephone number)  
Tel: +41 44 943 4380 (Alternative number)  
Middle East Tel: +971 4 450 5800 (Fixed Gas Detection)  
[gasdetection@honeywell.com](mailto:gasdetection@honeywell.com)

### Americas

Honeywell Analytics Distribution Inc.  
Tel: +1 847 955 8200  
Toll free: +1 800 538 0363  
[detectgas@honeywell.com](mailto:detectgas@honeywell.com)  
Honeywell RAE Systems  
Phone: +1 408 952 8200  
Toll Free: +1 888 723 4800

### Asia Pacific

Honeywell Analytics Asia Pacific  
Tel: +82 (0) 2 6909 0300  
India Tel: +91 124 4752700  
China Tel: +86 10 5885 8788-3000  
[analytics.ap@honeywell.com](mailto:analytics.ap@honeywell.com)

### Technical Services

EMEA: [HAexpert@honeywell.com](mailto:HAexpert@honeywell.com)  
US: [ha.us.service@honeywell.com](mailto:ha.us.service@honeywell.com)  
AP: [ha.ap.service@honeywell.com](mailto:ha.ap.service@honeywell.com)

Datasheet\_ToxiRAE-Pro-CO2\_DS-1085-03\_EN  
04/17 ©2017 Honeywell International Inc.

Device Management with  
**Honeywell Sotera™**



[honeywellanalytics.com/products/Honeywell-Sotera](http://honeywellanalytics.com/products/Honeywell-Sotera)

**Honeywell**