



AimSafety by Macurco blends more than 50 years of gas detection innovation and development into new, advanced gas monitor solutions that help organizations protect workers and the community, and increase safety, compliance and revenue.



PM150-CO<sub>2</sub>

## PM150-CO<sub>2</sub>

**Advanced portable single-gas, personal monitor for Carbon Dioxide**

The PM150-CO<sub>2</sub> is a low maintenance, rechargeable single-gas monitor that protects workers by providing exposure detection for carbon dioxide in many different applications. The PM150-CO<sub>2</sub> continuously monitors ambient air conditions and provides real-time gas concentrations on an easy to read LCD display. A three-tier alarm system warns the user of the presence of unsafe carbon dioxide levels with audible, visual, and vibrating notifications. The units low, high, STEL and TWA alarms can be adjusted via the USB Type-C charger and software.

### Key Features

- Visible calibration status
- Maintenance-free
- Dual button operation
- Event logging
- Data logging
- Rugged
- Easy-to-read LCD display
- IP66/67 protection rating
- Rechargeable with up to 7 day run time

### Applications

- Wineries
- Breweries
- Food processes
- Cannabis production
- Dry ice
- Laboratory
- Manufacturing
- Refrigeration
- Indoor air quality

# PM150-CO<sub>2</sub>

## Specifications

|                  |   |
|------------------|---|
| Size             | 1.6"(L) x 2.2"(W) x 3.6"(H)   |
| Weight           | 3.3 oz. (93 g.)   |
| Sensor Type      | NDIR  |
| Battery          | Rechargeable Li-ion   |
| Operating Period | Sensor ~ 7 years<br>Battery ~ 3-5 years   |
| Event Logging    | 30 most recent events   |
| Data Logging     | Data stored at 1 minute intervals and stores approximately 64,000 data logs   |
| IP Rating        | IP66/IP67   |
| Display          | LCD display with backlight  |
| Alarms           | <ul style="list-style-type: none"> <li>▪ Audible buzzer - 90 dB at 10cm</li> <li>▪ Vibration alarm</li> <li>▪ Flashing red LEDs</li> <li>▪ On-screen indication</li> <li>▪ Differentiating audible &amp; visual high and low alarm indications</li> </ul> |
| Charger          | USB Type-C  |
| Set points       | User Selectable via PC Software   |
| Temperature      | -4°F to +122°F (-20°C to +50°C)   |
| Humidity         | 5% to 95% RH (Non-condensing)   |
| Certifications   | EMC directive(2004/108/EC), RoHS2   |
| Warranty         | Two year limited warranty   |

Distributed By:

## Range & Resolution

| Gas                               | Range                   | Resolution         |
|-----------------------------------|-------------------------|--------------------|
| Carbon Dioxide (CO <sub>2</sub> ) | 0-50,000PPM or 0-5% v/v | 100PPM or 0.1% v/v |

## Default Values

PM150-CO<sub>2</sub> Values

|            |                      |
|------------|----------------------|
| Low Alarm  | 5,000PPM (0.5% v/v)  |
| High Alarm | 10,000PPM (1.0% v/v) |
| STEL       | 30,000PPM (3.0% v/v) |
| TWA        | 5,000PPM (0.5% v/v)  |

## Accessories

| Part Number    | Description                                      |
|----------------|--|
| 70-2900-0531-1 | PM100/150 Bump/Calibration Hood                  |
| 70-2900-0540-6 | PM150 Replacement Sensor (CO <sub>2</sub> )      |
| 70-2900-0532-0 | PM150 Replacement Battery                        |
| 70-2900-0533-7 | PM150 Replacement Front Cover                    |
| 70-2900-0533-8 | PM150 Mini USB Charger                           |
| 70-2900-0530-5 | PM100/150 Sensor Filter with Gasket (Pack of 20) |
| 70-2900-0532-1 | PM100/150/400 Monitor Clip with Screw            |



Since 1972 Macurco has been providing gas detection solutions for various applications. Macurco provides the highest quality gas detection solutions to customers worldwide.



**Macurco Gas Detection**  
1504 W. 51st Street  
Sioux Falls, SD 57105

**Phone:** 1-877-367-7891

**Website:** [www.macurco.com](http://www.macurco.com)

**Email:** [info@macurco.com](mailto:info@macurco.com)