



AimSafety by Macurco blends more than 45-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-CO₂

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Advanced portable single-gas, personal monitor for Carbon Dioxide

The PM150-CO₂ is a low maintenance, rechargeable single-gas monitor that protects workers by providing exposure detection for carbon dioxide in many different applications. The PM150-CO₂ 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-CO₂

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 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">▪ Audible buzzer - 90 dB at 10cm▪ Vibration alarm▪ Flashing red LEDs▪ On-screen indication▪ Differentiating audible & visual high and low alarm indications
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 ₂)	0-50,000PPM or 0-5% v/v	100PPM or 0.1% v/v

Default Values

PM150-CO₂ 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 ₂)
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

Macurco Gas Detection

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