

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.



PM₁₀₀-CO



PM₁₀₀-H₂S



PM₁₀₀-O₂

PM100 Series

Newest, Advanced Disposable Single Gas, Personal Monitor for CO, H₂S, O₂, NH₃, or SO₂

The PM₁₀₀ is a maintenance-free, disposable portable single-gas monitor that protects workers by providing exposure detection for specific gases in hazardous environments. The PM₁₀₀ 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 gas levels with audible, visual, and vibrating alarms. The PM₁₀₀ has sensor options for Carbon Monoxide (CO), Hydrogen Sulfide (H₂S), Oxygen (O₂), Ammonia (NH₃) and Sulfur Dioxide (SO₂).

Key Features


- Visible calibration status
- Maintenance-free
- Operates continuously for two years
- Single button operation
- Event logging
- Rugged, high visual housing
- Easy-to-read LCD display
- IP67 dust tight & water resistant
- 30-day end-of-life warning & notification

Applications

- Oil & gas
- Heavy metal & steel
- Chemical plants
- Pulp & paper
- Municipalities
- Food & beverage
- Contractor / construction
- General industry

PM100 Series

Specifications

Size	3.34"(L) x 1.92"(W) x 1.56"(H) *with clip 8.48 cm x 4.87 cm x 3.96 cm
Weight	3.3 oz. (93 g.) Toxic models 3.8 oz. (107 g.) O ₂ model (Battery, clip included)
Battery	Lithium (Non-replaceable)
Operating Period	2 Years*
Event Logging	30 Events (Alarms / bumps)
IP Rating	IP67
Display	LCD display
Alarms	<ul style="list-style-type: none"> ▪ Audible buzzer - 90 dB (at 4 in. typical) ▪ Vibration alarm ▪ Flashing red LEDs ▪ On-screen indication ▪ Differentiating audible & visual high and low alarms indication
Temperature	CO, H ₂ S, NH ₃ , SO ₂ : -40°F to 122°F (-40°C to 50°C) O ₂ : -31°F to 122°F (-35°C to 50°C)
Humidity	5% to 95% RH (Non-condensing)
Certifications	UL-913 & CSA-C22.2 No.157 Class 1 Div.1 & 2, Groups A,B,C & D. ATEX II 1G Ex ia IIC T4 Ga IECEx Ex ia IIC T4 INMETRO 
Warranty	2-Years From Activation
Sensor Life Notification	<ul style="list-style-type: none"> ▪ Sensor life indication screen (Month(s), days or hours) ▪ <30-Day end-of-life display warning (Days or hours)
Policy Enforcement (Configurable)	<ul style="list-style-type: none"> ▪ End-of-life notification ▪ Alarm test due ▪ Bump test due ▪ Calibration due

*Normal Alarm Use: Based On Two Minutes Of Alarm Per Day

Gas Options

Gas	Range	Resolution
CO	0 - 500 ppm	1 ppm
H ₂ S	0 - 100 ppm	0.1 ppm
O ₂	0 - 30% Vol	0.1% Vol
NH ₃	0 - 100 ppm	1 ppm
SO ₂	0 - 50 ppm	0.1 ppm

Ordering Information

Gas	Model Number	Low Alarm	High Alarm
CO	PM ₁₀₀ -CO	35 ppm	100 ppm
H ₂ S	PM ₁₀₀ -H ₂ S	10 ppm	15 ppm
O ₂	PM ₁₀₀ -O ₂	19.5%	23.5%
NH ₃	PM ₁₀₀ -NH ₃	25 ppm	50 ppm
SO ₂	PM ₁₀₀ -SO ₂	2 ppm	5 ppm

Accessories

Name	Model Number
PM Link	PM-Link
Bump/Cal Test Station	PM ₁₀₀ -Station



Bump/Cal Test Station



PM Link

