

AimSafety™

Portable Gas Detection Solutions
by Macurco



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 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).



PM₁₀₀-CO



PM₁₀₀-H₂S



PM₁₀₀-O₂

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 (PC Interface)	PM-Link
Bump/Cal Test Station	PM100-STN



Bump/Cal Test Station



PM Link



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
3601 N St. Paul Ave,
Sioux Falls, SD 57104

Phone: 1-877-367-7891

Website: www.macurco.com

Email: info@macurco.com