

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 Series

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

The PM_{100} is a maintenance-free, disposable portable single-gas monitor that protects workers by providing exposure detection for specific gases in hazardous environments. The PM_{100} 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 PM_{100} has sensor options for Carbon Monoxide (CO), Hydrogen Sulfide (H₂S), Oxygen (O₂), Ammonia (NH₃) and Sulfur Dioxide (SO₂).



PM₁₀₀-H₂S

PM_{MO}-Q₂

PM₁₀₀-O

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	- 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°
	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 NEST INSTANTANT
Warranty	2-years from activation
Sensor Life	Sensor life indication screen
Notification	(Month(s), days or hours)
	<30-Day end-of-life display warning
	(Days or hours)
Policy Enforcement	End-of-life notification
(Configurable)	- Alarm test due
	Bump test due
	Calibration due

Gas Options

Gas	Range	Resolution	
CO	0 - 500 ppm	1 ppm	
H ₂ S	0 - 100 ppm	0.1 ppm	
02	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
СО	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

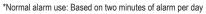






Bump/Cal Test Station

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

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