

AImSafety

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.











PM100-CO



PM100-H,S



PM100-O,

PM100 Series

Two Year Disposable Portable Single-Gas Monitors for $CO, H_2S, O_2 NH_3, SO_2, NO_2 or H_2$

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), Sulfur Dioxide (SO₂), Nitrogen Dioxide (NO₂) and Hydrogen (H₂).

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	Two 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	Toxics: -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 N. S.
Warranty	Two year limited warranty
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

^{*}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
02	0 - 30% Vol	0.1% Vol
NH ₃	0 - 100 ppm	1 ppm
SO ₂	0 - 50 ppm	0.1 ppm
NO ₂	0 - 20 ppm	0.1 ppm
H ₂	0 - 1000 ppm	1 ppm

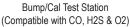
Ordering Information

Gas	Model Number	Low Alarm	High Alarm
СО	PM100-CO	35 ppm	100 ppm
H ₂ S	PM100-H ₂ S	10 ppm	15 ppm
O ₂	PM100-O ₂	19.5%	23.5%
NH ₃	PM100-NH ₃	25 ppm	50 ppm
SO ₂	PM100-SO ₂	2 ppm	5 ppm
NO ₂	PM100-NO ₂	2.5 ppm	5 ppm
H ₂	PM100-H ₂	100 ppm	500 ppm

Accessories

Name		Model Number	
	PM Link (PC Interface)	PM-Link	
	Bump/Cal Test Station	PM100-STN (Compatible with CO, H2S & O2)	









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.



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