AimSafety™

Portable Gas Detection Solutions
by Macurco

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-H₂S

PM100-O₂

PM100 Series

Two Year Disposable Portable Single-Gas Monitors for CO, H₂S, O₂, NH₃, SO₂, NO₂ or H₂

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 (H_2S), Oxygen (O_2), Ammonia (NH_3), Sulfur Dioxide (SO_2), Nitrogen Dioxide (NO_2) and Hydrogen (H_2).
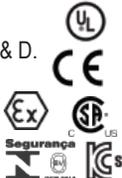
Key Features

- 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
Warranty	Two year limited warranty
Sensor Life Notification	▪ Sensor life indication screen (Month(s), days or hours) ▪ <30-Day end-of-life display warning (Days or hours)
Policy Enforcement (Configurable)	▪ 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_2S	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
NO_2	0 - 20 ppm	0.1 ppm
H_2	0 - 1000 ppm	1 ppm

Ordering Information

Gas	Model Number	Low Alarm	High Alarm
CO	PM100-CO	35 ppm	100 ppm
H_2S	PM100-H_2S	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)

Bump/Cal Test Station
(Compatible with CO, H2S & O2)

PM Link

ISO 9001:2015 CERTIFIED