

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.



PM400 Series

Advanced, Easy-to-use, 4-Gas Monitor For Worker Protection in Hazardous Environments

The innovative new AimSafety PM₄₀₀ 4-gas portable monitor brings enhanced convenience and flexibility to gas detection in hazardous environments. The ergonomic PM₄₀₀ diffusion gas monitor simultaneously detects up to four gases, including hydrogen sulfide (H₂S), carbon monoxide (CO), oxygen (O₂) and combustibles (LEL). AimSafety's PM₄₀₀ is easy to use and delivers continuous visibility of gas concentrations for faster, more informed decisions that help protect workers and operational assets which can increase revenue and productivity.

The PM₄₀₀ LCD display provides real-time gas concentrations and allows plant managers or workers to set high and low alarm set-points for each sensor, and STEL, and TWA alarm set-points for toxic gases. The PM₄₀₀'s audible, visual and vibrating alarms alert the user of unsafe gas concentrations. The PM₄₀₀ IR will operate continuously for up to 60 days on a single battery charge. Standard sensors include: Carbon Monoxide, Hydrogen Sulfide, Oxygen, and either Catalytic Bead or Infrared for combustible gases (LEL).



Key Features




- Easy-to-read LCD display
- Single button operation
- Rugged, high visual housing
- IP67 dust tight & water resistant
- 60-day continuous runtime (IR version)
- IR Sensor is immune to poisoning
- IR sensor use in inert (Low O₂) environments

Applications

- Confined space entry
- Oil & gas
- Heavy metal & steel
- Chemical plants
- Pulp & paper
- Municipalities
- Food & beverage
- Contractor / Construction
- First responder

PM400 Series

Specifications

Size	4.6"(L) x 2.4"(W) x 1.6"(H) 11.8 cm x 6 cm x 4 cm
Weight	8.5 oz. (240 g.)
Sensor Type	Field-replaceable sensors: LEL – Catalytic Bead (Pellistor) LEL – Infrared O ₂ , CO, H ₂ S – Electrochemical
Battery	Rechargeable Li-ion
Runtime	60 days continuous, IR (LEL) version 24 hours continuous, P (LEL) version
Event Logging	30 Events, 30 Calibrations, 30 bump tests
IP Rating	IP67 dust tight and water resistant
Display	Backlit digital LCD display Real-time readings of gas concentrations Battery status Alarm notifications
Data Logging	Two months - Continuous at 1 - minute intervals, 24 hours a day, 7 - days a week
Alarms	LCD Alarm Icon display, LCD Backlight Indicator LED Audible: 90 dB at 4 in. (10 cm)
Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	10% to 95% RH (Non-Condensing)
Certifications	UL & CSA Class I, Division 1, Groups A, B, C, D, T4 Class I, Zone 0, AEx ia IIC T4 Ga IECEX    Ex ia IIC T4 Ga (PM ₄₀₀ -IR) Ex da ia IIC T4 Ga (PM ₄₀₀ -P)
Warranty	2-Years

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
Combustible (IR & P)	0 - 100 %LEL	1% LEL

Alarm Levels / Calibration Gas Defaults

Gas	Low	High	STEL	TWA	CAL	
CO	35	100	200	35	100	PPM
H ₂ S	10	20	15	10	25	PPM
O ₂	19.5	23.5			18	%Vol
LEL	10	20			50	%LEL

Accessories

Name	Model Number
PM Link	PMIR-Link
Bump Test / Cal Station	PM400 Station



PM Link