

# AimSaFETY™

PORTABLE GAS DETECTION SOLUTIONS  
by Macurco

AimSafety by Macurco blends 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.



## 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 (H<sub>2</sub>S), carbon monoxide (CO), oxygen (O<sub>2</sub>) 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).



PM400-IR



PM400-P

### 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 O<sub>2</sub>) environments
- Event logging
- Data logging

### Applications

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

# PM400 Series

## Specifications

Size	4.48"(L) x 2.39"(W) x 1.6"(H) *with clip 11.37 cm x 6 cm x 4 cm
Weight	8.0 oz. (227 g.) PM400-IR 8.3 oz. (235 g.) PM400-P
Sensor Type	Field-replaceable sensors: LEL – Catalytic bead (Pellistor) LEL – Infrared O <sub>2</sub> , CO, H <sub>2</sub> 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
Data Logging	Two months - continuous at 1 - minute intervals, 24 hours a day, 7 - days a week
IP Rating	IP67 dust tight and water resistant
Display	Backlit digital LCD display Real-time readings of gas concentrations Battery status Alarm notifications
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 (PM400-IR) Ex da ia IIC T4 Ga (PM400-P)
Warranty	Two year limited warranty

## Gas Options

Gas	Range	Resolution
CO	0 - 500 ppm	1 ppm
H <sub>2</sub> S	0 - 100 ppm	0.1 ppm
O <sub>2</sub>	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 <sub>2</sub> S	10	15	15	10	25	PPM
O <sub>2</sub>	19.5	23.5			18	%Vol
LEL	10	20			50	%LEL

## Accessories

Name	Model Number
PM Link (PC Interface)	PM-Link
Bump/Cal Test Station	PM400-STN



Bump/Cal Test Station



PM Link