

PM500 Multi-Gas Monitor w/ Pump

Advanced, easy-to-use, multigas monitor with built-in pump for confined space entry and worker protection in hazardous environments.

NEW:
PM500



NEW: PM500 Portable

The PM500 is a series of portable multi-gas instruments with a built-in pump designed to warn users of a dangerous gas environment. The detector simultaneously indicates the concentration of **up to six gases**, including Carbon Monoxide, Hydrogen Sulfide, Oxygen, and Combustibles, along with others like Carbon Dioxide, Ammonia, Sulfur Dioxide, Nitrogen Dioxide, and VOCs, on the LCD display. When a concentration exceeds safe gas levels, the device alerts the operators of danger with audible, visual, and vibrating alarms. The device shows the gas concentrations in real-time and identifies maximum and minimum concentrations. The settings can be modified via PC software through the PM Link accessory (purchased separately). The most significant difference is that users will be able to draw a sample with the internal pump.



Key Features

- Easy-to-read backlit LCD display
- Continuous sampling with internal pump
- Quick connector for standard 3 ft. calibration tubing and probe kit
- IP67 dust tight & water resistant
- Up to 5 days continuous run time (IR version)
- IR sensor immune to poisoning, suitable for inert environments
- Intrinsically safe
- Event & data logging
- Standard gases: CO, H₂S, O₂, LEL (IR or catalytic bead); additional options for VOCs and toxics








Industrial fixed gas & flame detection equipment, controllers & accessories

Product	Gas Transmitter	Remote Sensor Assembly	Gas Transmitter	Remote Sensor Assembly	Gas Transmitter	Flame Detector	Flame Detector	Sample Draw Assembly
Image								
Model	TXP-T40 POLY	TXP-T40 POLY REMOTE	TXP-T40 ALUMINUM	TXP-T40 ALUMINUM REMOTE	TXP-T40 ALUMINUM DUAL	TXP-FDE-IR3-HD	TXP-FDE-UVIR-HD	TXP-SDA
Power	10-30 VDC	10-30 VDC	10-30 VDC	10-30 VDC	10-30 VDC	18-32 VDC	18-32 VDC	10-30 VDC
Certifications	<ul style="list-style-type: none"> Class 1, Division 2 Suitable for IP54 	<ul style="list-style-type: none"> Class 1, Division 2 Suitable for IP54 	<ul style="list-style-type: none"> Class 1, Division 1 NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 1 NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 1 NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 1 IP66/68; NEMA 4X/6P 	<ul style="list-style-type: none"> Class 1, Division 1 IP66/68; NEMA 4X/6P 	<ul style="list-style-type: none"> Class 1, Division 1 NEMA 4X
Features	<ul style="list-style-type: none"> Dual sensor capable Status indicating QVGA backlit color TFT display for gas values, units, trend graph and alarm levels LED alarm Indicator Smart sensor heater Embedded web page <ul style="list-style-type: none"> Non-intrusive magnetic interface 	<ul style="list-style-type: none"> Compatible with all TXP-T40 gas sensor options Communicates with TXP-T40 transmitter via Modbus® RS-485 RTU Enclosure includes calibration adapter 	<ul style="list-style-type: none"> Dual sensor capable Status indicating QVGA backlit color TFT display for gas values, units, trend graph and alarm levels LED alarm Indicator Smart sensor heater Embedded web page <ul style="list-style-type: none"> Non-intrusive magnetic interface 	<ul style="list-style-type: none"> Compatible with all TXP-T40 gas sensor options Communicates with TXP-T40 transmitter via Modbus® RS-485 RTU 	<ul style="list-style-type: none"> Dual sensor capable Status indicating QVGA backlit color TFT display for gas values, units, trend graph and alarm levels LED alarm Indicator Smart sensor heater Embedded web page <ul style="list-style-type: none"> Non-intrusive magnetic interface 	<ul style="list-style-type: none"> High immunity to false alarms HD video output with automatic video recording of one-minute-pre and up to three-minute post fire events Data and event logger <ul style="list-style-type: none"> Window heater prevents icing and condensation 	<ul style="list-style-type: none"> High immunity to false alarms HD video output with automatic video recording of one-minute-pre and up to three-minute post fire events Data and event logger <ul style="list-style-type: none"> Window heater prevents icing and condensation 	<ul style="list-style-type: none"> Flow interruption indication Calibration port Status indicating QVGA backlit color TFT display for gas values, units, trend graph and alarm levels LED alarm Indicators Embedded web page <ul style="list-style-type: none"> Non-intrusive magnetic interface
Outputs	<ul style="list-style-type: none"> Modbus® TCP master/slave <ul style="list-style-type: none"> 4-20mA 4 configurable 5A relays (optional) Modbus® RS-485 RTU (optional) 	<ul style="list-style-type: none"> Modbus® RS-485 RTU 	<ul style="list-style-type: none"> Modbus® TCP master/slave <ul style="list-style-type: none"> 4-20mA 4 configurable 5A relays (optional) Modbus® RS-485 RTU (optional) 	<ul style="list-style-type: none"> Modbus® RS-485 RTU 	<ul style="list-style-type: none"> Modbus® TCP master/slave <ul style="list-style-type: none"> 4-20mA 4 configurable 5A relays (optional) Modbus® RS-485 RTU (optional) 	<ul style="list-style-type: none"> 0-20mA Alarm and fault relays Modbus® RS-485 RTU Digital & Composite Video 	<ul style="list-style-type: none"> 0-20mA Alarm and fault relays Modbus® RS-485 RTU Digital & Composite Video 	<ul style="list-style-type: none"> Modbus® TCP master/slave <ul style="list-style-type: none"> 4-20mA output 4 configurable 5A relays Modbus® RS-485 RTU
Weight	3 lbs. (2 kg)	3 lbs. (2 kg)	6.5 lbs. (3 kg)	6.5 lbs. (3 kg)	10.6 lbs. (4.8 kg)	9.8 lbs. (4.4 kg) Mount: 5.4 lbs. (2.4 kg)	9.8 lbs. (4.4 kg) Mount: 5.4 lbs. (2.4 kg)	16 lbs. (7.5 kg)
Size	5 x 7 x 3.9 in. (17.8 x 12.7 x 9.9 cm)	5 x 7 x 3.9 in. (17.8 x 12.7 x 9.9 cm)	8 x 5 x 5.1 in. (20.3 x 12.7 x 13 cm)	8 x 5 x 5.1 in. (20.3 x 12.7 x 13 cm)	11.2 x 5 x 5.1 in. (28.4 x 12.7 x 13 cm)	5.12 x 5.12 x 7.87 in. (13 x 13 x 20 cm)	5.12 x 5.12 x 7.87 in. (13 x 13 x 20 cm)	24.25 x 13 x 8 in. (61.6 x 33 x 20 cm)
Ambient Temperature	-40°F to 140°F (-40°C to 60°C) *See Sensor Limitations	-40°F to 140°F (-40°C to 60°C) *See Sensor Limitations	40°F to 140°F (-40°C to 60°C) *See Sensor Limitations	40°F to 140°F (-40°C to 60°C) *See Sensor Limitations	40°F to 140°F (-40°C to 60°C) *See Sensor Limitations	-67°F to 185°F (-55°C to 85°C)	-67°F to 185°F (-55°C to 85°C)	40°F to 140°F (-40°C to 60°C) *See Sensor Limitations
Target Gas Options	Ammonia, Carbon Monoxide, Carbon Dioxide, Chlorine, Chlorine Dioxide, Combustibles, Hydrogen Chloride, Hydrogen Cyanide, Hydrogen Sulfide, Mercaptan, Nitrogen Dioxide, Oxygen, Ozone, Phosphine, Sulfur Dioxide, VOC's					All hydrocarbon-fueled flames. Hydrogen-specific model of IR3 available.		All TXP-T40 Gas Options
Applications	Oil and gas, pipeline compression, refining and chemical production, water / wastewater treatment, food and beverage, manufacturing, pulp and paper, power generation, general industry							









Industrial fixed gas & flame detection equipment, controllers & accessories

Product	2 / 4 Channel Controller	16 Channel Controller	64 Channel Controller	Alarm Notification Assembly	Horn & Strobe Combo	Audible Horn	Visual Strobe	Audible Horn	Visual Strobe
Image									
Model	TXP-C20 / TXP-C40	TXP-C16X	TXP-C64	TXP-ANA	TXP-COMBO ALARM, NEMA 4X	C1, D2 Horn	C1, D2 Strobe	C1, D1 Horn	C1, D1 Strobe
Power	85-240 VAC	85-240 VAC	85-240 VAC	24 VDC	12-24 VDC	12-24 VDC	12-80 VDC	24 VDC	24 VDC
Certifications	<ul style="list-style-type: none"> Class 1, Division 2 • NEMA 4X NEMA 7 option for Class 1, Division 1 	<ul style="list-style-type: none"> Class 1, Division 2 • NEMA 4X NEMA 7 option for Class 1, Division 1 	<ul style="list-style-type: none"> Class 1, Division 2 • NEMA 4X NEMA 7 option for Class 1, Division 1 	<ul style="list-style-type: none"> NEMA 4X 	<ul style="list-style-type: none"> NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 2 • NEMA 4X Marine rated 	<ul style="list-style-type: none"> Class 1, Division 2 • NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 1 • IP66 	<ul style="list-style-type: none"> Class 1, Division 1 • NEMA 4X • IP66 / IP69K • Marine rated
Features	<ul style="list-style-type: none"> 50 watt, 24 VDC power supply Backlit graphic LCD display Readout displays engineering units, bar graphs & 30-minute trends LED's indicate alarm & fault status 2 programmable SPDT relays Optional RS-485 Modbus® master/slave serial port Modbus® TCP interface (TXP-C40 only; optional) 	<ul style="list-style-type: none"> 150 watt, 24 VDC power supply Backlit QVGA color TFT display Readout displays engineering units, bar graphs & 30-minute trends 5 programable SPDT relays Dual RS-485 Modbus® master/slave serial port Modbus® TCP ethernet port with web server Data logging available via SD card 	<ul style="list-style-type: none"> 600 watt, 24 VDC power supply Backlit QVGA color TFT display Readout displays engineering units, bar graphs & hourly trends LED's indicate alarm & fault status 2 standard and 3 programable SPDT relays Dual RS-485 Modbus® master/slave serial port Modbus® TCP ethernet port with web server 	<ul style="list-style-type: none"> Modular design Accommodates up to (4) strobes Strobe guards 99 dBA or 120 dBA horn options Hush button with adjustable duration (optional) Power indication light 	<ul style="list-style-type: none"> Indoor or outdoor use Horn: <ul style="list-style-type: none"> 99 dBA @ 10 ft. 109 dBA @ 1 m. Strobe: <ul style="list-style-type: none"> 75 flashes per minute Lamp type: LED Lamp life: 100,000 hours Lens color options: amber, blue and red 	<ul style="list-style-type: none"> 99 dBA @ 10 ft. 109 dBA @ 1 m. Four wire terminal block and supervisory diode Non-metallic polycarbonate enclosure 	<ul style="list-style-type: none"> 60 to 80 flashes per minute Effective candela power: 50 Candela peak: 190,000 Lamp type: Xenon strobe Lamp life: 10,000 hours Lens color options: amber, blue, green and red 	<ul style="list-style-type: none"> 110 dBA @ 1m. 27 user selectable output tones Switchable between two tones by reversing polarity or supplying secondary voltage Marine grade alloy Conduit entry: 1/2" NPT bottom entry 	<ul style="list-style-type: none"> 80 flashes per minute Effective candela power: 850 Candela peak: 2,000,000 Lamp type: LED Lamp life: 10,000 hours Lens color: Red
Weight	12 lbs. (5.4 kg)	17 lbs. (7.7 kg)	17 lbs. (7.7 kg)	12 lbs. (5.5 kg)	3 lbs. (1.36 kg)	2.3 lbs. (1.04 kg)	0.6 lbs. (0.27 kg)	12.3 lbs. (5.6 kg)	13.9 lbs. (6.3 kg)
Size	14.1 x 12.1 x 7.8 in. (36 x 30.3 x 19.7 cm)	15.1 x 13.2 x 8.5 in. (34 x 33.4 x 21.6 cm)	15.1 x 13.2 x 8.5 in. (34 x 33.4 x 21.6 cm)	28 x 26.5 x 9.25 in. (71 x 67.3 x 23.5 cm)	12.3 x 4.4 x 3.9 in. (31.2 x 11.2 x 9 cm)	5.6 x 4.4 x 3.9 in. (11.2 x 11.2 x 9 cm)	5 x 3 in. (12.7 x 7.62 cm)	6.9 x 8.5 in. (17.5 x 21.6 cm)	11.37 x 8.82 in. (28.9 x 22.4 cm)
Ambient Temperature	-13°F to 140°F (-25°C to 60°C)	-13°F to 140°F (-25°C to 60°C)	-13°F to 140°F (-25°C to 60°C)	-40°F to 140°F (-40°C to 60°C)	-40°F to 149°F (-40°C to 65°C)	-65°F to 150°F (-54°C to 66°C)	-40°F to 149°F (-40°C to 65°C)	-13°F to 158°F (-25°C to 70°C)	-67°F to 150°F (-55°C to 66°C)
Applications	Oil and gas, pipeline compression, refining and chemical production, water / wastewater treatment, food and beverage, manufacturing, pulp and paper, power generation, general industry								

Industrial wireless gas detection equipment, controllers & accessories

Product	Wireless Gas Transmitter	Wireless Gas Transmitter	Wireless Gas Transmitter	Wireless Controller	Wireless Alarm Relay	Wireless Radio Repeater	Signal Validation Tool
Image							
Model	TXP-WTA POLY	TXP-WTA ALUMINUM	TXP-WTA ALUMINUM DUAL	TXP-WCR	TXP-WAR	TXP-WRR	TXP-SVT
Power	3.6 VDC Lithium-Ion disposable battery (12-24 VDC option)	3.6 VDC Lithium-Ion disposable battery (12-24 VDC option)	3.6 VDC Lithium-Ion disposable battery (12-24 VDC option)	100-240 VAC or 10-30 VDC	10-30 VDC	10-30 VDC	9 VDC Battery
Radio Frequency	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz	900 MHz or 2.4 GHz
Certifications	<ul style="list-style-type: none"> Class 1, Division 2 Suitable for IP54 FCC 15.247 & IC 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X & IP 65 FCC 15.247 & IC C1,D1 option available 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X & IP 65 FCC 15.247 & IC C1,D1 option available 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X FCC 15.247 & IC 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X & IP 65 FCC 15.247 & IC C1,D1 option available 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X & IP 65 FCC 15.247 & IC C1,D1 option available 	N/A
Features	<ul style="list-style-type: none"> Dual sensor capable Toxic & combustible gas sensor compatible Supports remote sensor configurations Non-intrusive magnetic interface Graphic LCD display Five LED status indicators Two levels of password protected security 4 - 20 mA input option Magnetic mount option 	<ul style="list-style-type: none"> Dual sensor capable Toxic & combustible gas sensor compatible Supports remote sensor configurations Non-intrusive magnetic interface Graphic LCD display Five LED status indicators Two levels of password protected security 4 - 20 mA input option Magnetic mount option 	<ul style="list-style-type: none"> Dual sensor capable Toxic & combustible gas sensor compatible Supports remote sensor configurations Non-intrusive magnetic interface Graphic LCD display Five LED status indicators Two levels of password protected security 4 - 20 mA input option Magnetic mount option 	<ul style="list-style-type: none"> Wi-Fi option Non-intrusive magnetic interface & internal buttons Up to (32) wireless inputs Receives configuration data from transmitters Graphic LCD display Event logging (8) Standard programmable relays Multi-I/O options Remote monitoring options 	<ul style="list-style-type: none"> Graphic LCD Display (5) programmable 5A SPDT relays (5) LED indicators, (3) alarm and (2) communication status Magnetic mount option Multiple antenna options Password security 	<ul style="list-style-type: none"> Configurable as Client" or "Server" on wireless network (2) radios and (2) antennas on separate FHSS mitigate data collisions 900 MHz is adjustable; 10mW, 200 mW, 400 mW and 1W. 2.4 GHz is fixed at 125 mW Non-intrusive magnetic interface 	<ul style="list-style-type: none"> 900 MHz and 2.4 GHz versions available Graphic LCD display Scans for existing wireless networks RSSI values displayed in dBm Receive Client mode allows RSSI without affecting installed wireless equipment Rx / Tx counters allow verification of missed data packets over time
Weight	3 lbs. (2 kg)	6.5 lbs. (3 kg)	10.6 lbs. (4.8 kg)	12.6 lbs. (5.7 kg)	3.5 lbs. (1.6 kg)	4 lbs. (1.8 kg)	1.3 lbs. (2.3 kg)
Size <small>(antennas not included)</small>	5 x 7 x 3.9 in. (17.8 x 12.7 x 9.9 cm)	8 x 5 x 5.1 in. (20.3 x 12.7 x 13 cm)	11.2 x 5 x 5.1 in. (28.4 x 12.7 x 13 cm)	14.1 x 12.1 x 7.3 in. (35.8 x 30.7 x 18.5 cm)	5 x 5 x 5.1 in. (12.7 x 12.7 x 13 cm)	5 x 5 x 5.1 in. (12.7 x 12.7 x 13 cm)	6.5 x 3.5 x .9 in. (16.5 x 8.9 x 2.3 cm)
Ambient Temperature	-40°F to 140°F (-40°C to 60°C) <small>*See Sensor Limitations</small>	-40°F to 140°F (-40°C to 60°C) <small>*See Sensor Limitations</small>	-40°F to 140°F (-40°C to 60°C) <small>*See Sensor Limitations</small>	-13°F to 140°F (-25°C to 60°C)	-40°F to 140°F (-40°C to 60°C)	-40°F to 140°F (-40°C to 60°C)	N/A
Target Gas Options	Ammonia, Carbon Monoxide, Carbon Dioxide, Chlorine, Chlorine Dioxide, Combustibles, Hydrogen Chloride, Hydrogen Cyanide, Hydrogen Sulfide, Mercaptan, Nitrogen Dioxide, Oxygen, Ozone, Phosphine, Sulfur Dioxide			N/A	N/A	N/A	N/A
Applications	Oil & gas upstream production, chemical / petrochemical, pipeline / gas compression, planned outages and turnarounds, fence line / perimeter monitoring, water / wastewater treatment, power generation, terminals and transfer points, metal manufacturing, food & beverage, emergency response, general industry						

Industrial wireless gas detection equipment, controllers & accessories

Product	Solar Panel	Antenna Options	Alarm Notification Assembly	Horn & Strobe Combo	Audible Horn	Visual Strobe	Audible Horn	Visual Strobe
Image								
Model	TXP-SOLAR	TXP ANTENNAS & ACCESSORIES	TXP-ANA	TXP-COMBO ALARM, NEMA 4X	C1, D2 Horn	C1, D2 Strobe	C1, D1 Horn	C1, D1 Strobe
Power	12 VDC	N/A	120 VAC	12-24 VDC	12-24 VDC	12-80 VDC	24 VDC	24 VDC
Certifications	N/A	<ul style="list-style-type: none"> Class 1, Division 1 and Division 2 options available 	<ul style="list-style-type: none"> NEMA 4X FCC 15.247 & IC 	<ul style="list-style-type: none"> NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X Marine rated 	<ul style="list-style-type: none"> Class 1, Division 2 NEMA 4X 	<ul style="list-style-type: none"> Class 1, Division 1 IP66 	<ul style="list-style-type: none"> Class 1, Division 1 NEMA 4X IP66 / IP69K Marine rated
Features	<ul style="list-style-type: none"> General purpose and C1, D2 versions available Aluminum enclosure Various battery power amp hour ratings to accommodate controllers, alarm devices and transmitter options 	<ul style="list-style-type: none"> 900 MHz and 2.4 GHz versions available Straight flexible rubber antenna standard Yagi directional antenna options Collinear base station antennas RP-TNC coax cable extensions available 	<ul style="list-style-type: none"> 900 MHz radio Modular design Accommodates up to (4) strobes Strobe guards 99 dBA or 120 dBA horn options Hush button with adjustable duration (optional) Power indication light 	<ul style="list-style-type: none"> Indoor or outdoor use Horn: <ul style="list-style-type: none"> 99 dBA @ 10 ft. 109 dBA @ 1 m. Strobe: <ul style="list-style-type: none"> 75 flashes per minute Lamp type: LED Lamp life: 100,000 hours Lens color options: amber, blue and red 	<ul style="list-style-type: none"> 99 dBA @ 10 ft. 109 dBA @ 1 m. Four wire terminal block and supervisory diode Non-metallic polycarbonate enclosure 	<ul style="list-style-type: none"> 60 to 80 flashes per minute Effective candela power: 50 Candela peak: 190,000 Lamp type: Xenon strobe Lamp life: 10,000 hours Lens color options: amber, blue, green and red 	<ul style="list-style-type: none"> 110 dBA @ 1m. 27 user selectable output tones Switchable between two tones by reversing polarity or supplying secondary voltage Marine grade alloy Conduit entry: 1/2" NPT bottom entry 	<ul style="list-style-type: none"> 80 flashes per minute Effective candela power: 850 Candela peak: 2,000,000 Lamp type: LED Lamp life: 10,000 hours Lens color: Red
Weight	System dependent	Varies	12 lbs. (5.5 kg)	3 lbs. (1.36 kg)	2.3 lbs. (1.04 kg)	0.6 lbs. (0.27 kg)	12.3 lbs. (5.6 kg)	13.9 lbs. (6.3 kg)
Size	System dependent	Varies	26.5 x 13 x 9.25 in. (67.3 x 33 x 23.5 cm)	12.3 x 4.4 x 3.9 in. (31.2 x 11.2 x 9 cm)	5.6 x 4.4 x 3.9 in. (11.2 x 11.2 x 9 cm)	5 x 3 in. (12.7 x 7.62 cm)	6.9 x 8.5 in. (17.5 x 21.6 cm)	11.37 x 8.82 in. (28.9 x 22.4 cm)
Ambient Temperature	-40°F to +185°F -40°C to +85°C	Varies	-40°F to 140°F (-40°C to 60°C)	-40°F to 149°F (-40°C to 65°C)	-65°F to 150°F (-54°C to 66°C)	-40°F to 149°F (-40°C to 65°C)	-13°F to 158°F (-25°C to 70°C)	-67°F to 150°F (-55°C to 66°C)
Applications	Oil & gas upstream production, chemical / petrochemical, pipeline / gas compression, planned outages and turnarounds, fence line / perimeter monitoring, water / wastewater treatment, power generation, terminals and transfer points, metal manufacturing, food & beverage, emergency response, general industry							



AIMSAFETY PORTABLE OPTIONS

What is the AimSafety Portable product line?

Macurco's AimSafety portable product line is a series of gas detection instruments designed for personal safety in various industries, such as oil & gas, construction, manufacturing, utilities, and more. These portable monitors are aimed at detecting hazardous gases in real-time to protect workers in potentially dangerous environments. These devices are primarily used in industries where gas exposure is a risk, helping to prevent accidents, injuries, and fatalities by providing early warnings of dangerous gas concentrations.



PM100 Key Features:

- Visible calibration status
- Maintenance-free
- Operates continuously for two years
- Single button operation
- Event logging
- Rugged, highly visible housing
- Easy-to-read LCD display
- IP67 dust tight & water resistant
- 30-day end-of-life warning & notification

The PM100 is a maintenance-free, disposable personal single-gas detector providing cost-effective personal monitoring in potentially hazardous environments. The PM100 offers continuous ambient air monitoring, providing real-time gas concentration readings on an easy-to-read LCD display. A three-tier alarm system warns users 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), or Hydrogen (H₂).

The PM150-CO₂ is a single-gas portable device that only monitors Carbon Dioxide.



PM150-CO₂ Key Features:

- 0-50,000PPM or 0-5% Vol. configurable
- Visible calibration status
- Serviceable
- Dual button operation
- Suitable for general purpose non-hazardous locations
- Event and data logging
- Easy-to-read LCD display
- IP67 protection rating
- Rechargeable with up to 7-day run time

What is the difference between the PM100 and PM400 series?

The AimSafety PM400 Series instruments provide reliable and simplistic personal gas detection for personnel working in potentially 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).



PM400 Key Features:

- Easy-to-read LCD display
- Single button operation
- Rugged, highly visible housing
- IP67 dust tight & water resistant
- Up to 60 days of continuous runtime (IR version)
- IR sensor is immune to poisoning
- IR sensor used in inert (low O₂) environments
- Event and data logging

Whats the difference between the PM400 and NEW PM500 series?

The PM500 is a series of portable multi-gas detectors with a built-in pump that warns of a dangerous gas environment. The detector simultaneously indicates the concentration of **up to six gases**, including oxygen, carbon monoxide, hydrogen sulfide, carbon dioxide, and other toxic and combustible gases, on the LCD display. The most significant difference is that users will be able to draw a sample with the internal pump. When the concentration exceeds safe gas levels, the device alerts the operators of danger with an audible, visible, and vibration alarm. The device shows the gas concentrations in real-time and identifies the maximum and minimum concentrations. The settings can be modified via PC software through the PM Link accessory (purchased separately).



PM500 Key Features:

- Easy-to-read backlit LCD display
- Provides continuous sample-draw capability with an internal pump
- Quick connector for use with standard 3ft. tubing or sampling probe (optional)
- IP67 dust tight & water resistant
- Up to 5 days continuous run time (IR version)
- IR sensor is immune to poisoning and can be used in inert environments
- Intrinsically safe
- Event & data logging
- Additional sensor options for other toxics and VOCs

AimSafety stands out in the portable gas monitor market due to a combination of features and benefits tailored for ease of use, reliability, and durability in various demanding industries. Here are some key factors that differentiate AimSafety products from other portable monitors:

1. Comprehensive Gas Detection Options

- AimSafety offers a wide range of single-gas and multi-gas detectors that can monitor various hazardous gases, such as oxygen, carbon monoxide, hydrogen sulfide, sulfur dioxide, and explosive gases. This versatility makes the AimSafety line suitable for numerous applications and industries.

2. User-Friendly Design

- AimSafety instruments are designed with simplicity in mind. An intuitive display, straightforward menu navigation, and minimal inputs enable a wide range of users to operate them efficiently.

3. Durability and Ruggedness

- Built to withstand harsh environments, AimSafety monitors are rugged and capable of operating in harsh industrial conditions such as oil & gas, construction sites, confined spaces, and hazardous environments. Their durable construction ensures long-lasting performance and reliable protection.

4. Affordable Price Point

- One of AimSafety's significant advantages is its cost-effectiveness. Despite offering high-quality and reliable gas detection technology, AimSafety by Macurco products are competitively priced, making them an attractive option for companies looking for robust safety solutions without breaking the budget.

5. Macurco's Reputation for Safety

- Macurco has decades of experience in gas detection technology and is known for its commitment to safety. AimSafety benefits from this extensive background, with products engineered for reliability and accuracy, ensuring worker protection in hazardous environments.

AimSafety stands out due to its balance of advanced technology, ease of use, ruggedness, and affordability, making it a strong contender in the portable gas detection market. For more information on the AimSafety portable product line, please contact Macurco at **877-367-7891** or email us at info@macurco.com.














**CONTACT US FOR
FURTHER INFORMATION**

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www.macurco.com
Sioux Falls, South Dakota

Fixed gas detection equipment and accessories for commercial applications

Gas Type	Carbon Monoxide / Nitrogen Dioxide	Carbon Monoxide	Combustible Gases	Nitrogen Dioxide	Hydrogen Sulfide	Ammonia	Oxygen	Refrigerants	Carbon Dioxide	Carbon Dioxide	Carbon Dioxide
Image											
12-24 VAC or 12-32 VDC	CX-6	CM-6	GD-6	TX-6-ND	TX-6-HS	TX-6-AM	OX-6	RD-6	CD-6MC	CD-6G	CD-6B
100-240VAC	CX-12	CM-12	GD-12	TX-12-ND	TX-12-HS	TX-12-AM	OX-12	RD-12	CD-12MC		
Features	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 Compatible ETL Listed 2-3-year replaceable sensors 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 Compatible ETL Listed 10-year sensor 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 5-year sensor 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 2-year sensor, field replaceable 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 2-year sensor, field replaceable 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 2-year sensor, field replaceable 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 2-year sensor, field replaceable 	<ul style="list-style-type: none"> 5A control relay 0.5A alarm relay Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 7-year sensor 	<ul style="list-style-type: none"> Manual calibration 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 15-year Sensor 	<ul style="list-style-type: none"> Manual calibration 5A control relay 0.5A alarm relay Digital display Internal buzzer 4-20mA current loop DVP-120 & DVP-1200 compatible ETL Listed 15-year sensor 	<ul style="list-style-type: none"> Auto or manual calibration Three 2A alarm relays Digital display Internal buzzer NOT DVP-120 compatible ETL Listed 15-year sensor
Applications	Automobile exhaust, parking garages, forklifts, loading docks, vehicle repair facilities, warehouses, kitchens, laundries, heaters	Automobile exhaust, parking garages, forklifts, loading docks, vehicle repair facilities, warehouses, kitchens, laundries, heaters	Methane (NG), Propane (LP), Hydrogen (H ₂), battery charging, warehouses, vehicles, landfills, repair facilities, golf carts, battery back-up	Diesel exhaust, parking garages, warehouses, loading docks, bus depots, firehouses, ambulance bays, maintenance facilities	Refineries, pulp and paper mills, waste disposal, sewer gas, swamp gas and manure gas, crude petroleum	Industrial refrigeration, warehouses, grocery stores, hockey rinks and other commercial refrigeration applications	Wastewater treatment plants, hospitals, factories, storage facilities and other commercial applications	Industrial refrigeration, warehouses, cold storage, grocery stores and other commercial refrigeration applications	Offices, gyms, auditoriums, conference rooms, schools, retail stores, restaurants, theaters and other commercial applications	Restaurants, breweries, grow facilities (agriculture, cannabis, etc.), tank storage, refrigeration facilities, wineries, food processes	Restaurants, breweries, grow facilities (agriculture, cannabis, etc.), tank storage, refrigeration facilities, wineries, food processes
Range	CO: 0-200 PPM NO ₂ : 0-20 PPM	0-200 PPM	0-50% LEL	0-20 PPM	0-50 PPM	0-100 PPM	0-25 % V/V	0-1,000 PPM	0-5,000 PPM	0-5% V/V	0-5% V/V
Area	Up to 7,500 ft ² (Up to 697 m ²)	Up to 7,500 ft ² (Up to 697 m ²)	Up to 1,257 ft ² (Up to 117 m ²)	Up to 7,500 ft ² (Up to 697 m ²)	Up to 1,257 ft ² (Up to 117 m ²)	Up to 1,257 ft ² (Up to 117 m ²)	Up to 1,257 ft ² (Up to 117 m ²)	Up to 1,257 ft ² (Up to 117 m ²)	Up to 5000 ft ² (Up to 465 m ²)	Up to 5000 ft ² (Up to 465 m ²)	Up to 5000 ft ² (Up to 465 m ²)
Weight	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)
Size	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)	4.5 x 4 x 2.12 in. (11.4 x 10.2 x 5.4 cm)
Environment	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	-4°F to 122°F (-20°C to 50°C) 10-90% RH Non-Condensing	32°F to 122°F (0°C to 50°C) 10-90% RH Non-Condensing	32°F to 122°F (0°C to 50°C) 10-90% RH Non-Condensing	32°F to 122°F (0°C to 50°C) 10-90% RH Non-Condensing

All products come with a 2-year warranty - excluding gases

Fixed gas detection equipment and accessories for commercial applications

Type	Analog Control Panel	Analog/ Digital Control Panel	BACnet Control Panel	BACnet IP Control Panel	Modbus Adapter	Power Supply	Horn & Strobe	Sync Module	Weatherproof Enclosure	CO Test Gas	Calibration Kits
Image											
Product	DVP-120	DVP-120M	DVP-120B	DVP-1200	MRS-485	MAC-6AMP/ MAC-10AMP	HS Series	HS-Sync	WHK-1	CME1-FTG	Calibration Kits
Features	<ul style="list-style-type: none"> 12 analog sensor inputs Three 10-amp relays Two horn/strobe drivers Internal buzzer Lockable enclosure Digital display, LEDs ETL Listed 	<ul style="list-style-type: none"> 12 analog sensor inputs & 87 digital sensor inputs Three 10-amp relays Horn/strobe drivers Internal buzzer Lockable enclosure Digital display, LEDs ETL Listed Uses MRS-485 	<ul style="list-style-type: none"> 99 digital sensor inputs BACnet MS/TP output to BMS MRS-485 Required (1:1 per detector) Three 10-amp relays Two horn/strobe drivers Internal buzzer Lockable enclosure Digital display, LEDs ETL Listed 	<ul style="list-style-type: none"> 192 digital sensor inputs Event logging Eight zones Up to 12 relays Three 4-20mA outputs Four 24VDC outputs BACnet IP (ethernet connection) 90-250 VAC input Lockable NEMA4X enclosure 	<p>Adapter used to convert 4-20mA analog signal from the Macurco 6-Series detectors to a digital signal for use with multipoint addressable systems, DVP-120M, DVP-120B & DVP-120C.</p>	<ul style="list-style-type: none"> 4 - 24VDC Outputs Input rating 115VAC, 60Hz Input fuse Rating 5A/250V AC Failure Supervision 	<ul style="list-style-type: none"> Strobe candela: Adjustable at 15,30,75,110cd 24VDC power input Two adjustable audible tone settings: continuous / temporal 4 Strobe flash rate: 1 Flash/second Lens color options: amber, blue, red, clear 	<ul style="list-style-type: none"> Synchronized strobes per ADA & NFPA Synchronizes up to 15 strobes in a single daisy-chain Mounts to 4x4 electrical box Works with Macurco HS-Series Comes with external 40A mini relay 	<p>Weatherproof enclosure that provides a degree of protection to the Macurco 6- and 12-Series gas detectors in non-hazardous locations. This housing kit allows a detector to continuously monitor gas levels while being protected from falling debris and indirect spray.</p>	<p>The CME1-FTG is an aerosol carbon monoxide field test gas that can be used with carbon monoxide detectors. This field test gas allows users and installers to do a quick functionality test of the CO sensor. The CME1-FTG is an 11liter (L), 500ppm CO/Air mixture in an aerosol can.</p>	<p>Calibration kits include gas cylinders, gas regulator, plastic tubing, humidifier, calibration hood and a deluxe Macurco carrying case. All Macurco gas detectors are factory calibrated. Each detector's performance should be tested regularly.</p>
Applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses, and other commercial applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses, and other commercial applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses, and other commercial applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses, and other commercial applications	For use with Building Automation Systems, Control Panels or other Control Devices that accept Modbus communications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses, and other commercial applications	For use with the Macurco Fixed 6-Series Detectors, DVP-120/ DVP-120M/ DVP-120B	For use with the Macurco HS Series	Parking garages, vehicle washdown bays, cold storage facilities, breweries, wineries	For use with Macurco CM-E1, CX-6, CX-12, CM-6, and CM-12	For use with Macurco 6-Series and 12-Series detectors
Weight	6.5 lbs. (2.93 kg)	6.5 lbs. (2.93 kg)	6.5 lbs. (2.93 kg)	12.4 lbs. (5.62 kg)	0.25 lb. (0.11 kg)	6AMP: 8.5 lbs. (3.4 kg) 10AMP: 9.4 lbs. (4.6 kg)	1 lb. (0.45 kg)	1 lb. (0.45 kg)	1.5 lbs. (0.68 g)	1 lb. (0.45 kg)	8 lbs. (3.6 kg)
Size	10 x 12 x 2 in. (25.4 x 30.5 x 5.1 cm)	10 x 12 x 2 in. (25.4 x 30.5 x 5.1 cm)	10 x 12 x 2 in. (25.4 x 30.5 x 6.9 cm)	13 x 10 x 2.75 in. (33 x 25.45 x 5.1 cm)	3.5 x 2 x 1.75 in. (8.9 x 5.1 x 4.4 cm)	6AMP: 13.5 x 13 x 3.25 in. 10AMP: 15.5 x 12 x 4.5 in.	5.5 x 4.8 x 2 in. (14 x 12 x 5 cm)	4.5 x 4.5 x 1 in. (11.4 x 11.4 x 2.5 cm)	6.25 x 6.25 x 3.5 in. (15.9 x 15.9 x 8.9 cm)	12 x 3 x 3 in. (30.5 x 7.6 x 7.6 cm)	18 x 13.5 x 6 in. (45.7 x 34.3 x 15.2 cm)
Environment	32°F to 120°F (0°C to 50°C) 10- 90% RH Non-Condensing	32°F to 120°F (0°C to 50°C) 10-90% RH Non-Condensing	32°F to 120°F (0°C to 50°C) 10-90% RH Non-Condensing	32°F to 104°F (0°C to 40°C) 0-90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10-90% RH Non-Condensing	32°F to 120°F (0°C to 49°C) 85% +/- 5% RH	32°F to 120°F (0°C to 49°C). 10-93% RH	32°F to 120°F (0°C to 49°C). 10-93% RH	See Detector Specifications	See Detector Specifications	See Detector Specifications

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