

PPM3 PORTABLE DIFFERENTIAL PRESSURE MONITOR

Advanced New Technology from Abatement Technologies

Ideal for use in combination with portable air filtration devices, the portable PPM3 can be used for continuous or intermittent monitoring of real-time pressure between two adjacent areas. Archived history logs are easily downloaded in CSV format to a USB flash drive.

- Ultra-tough case with clear plexiglass view window
- Color touchscreen display
- USB port for on-site firmware upgrading & archive history downloading
- Built-in visual & audio alarms
- Up to 6 months of operation in battery mode
- Differential pressure measurement in the ranges of -25Pa (-0.1 in WC) to +25Pa (+2.0 in WC)
- Operating temperature range of 41° F (5° C) to 131° F (55° C)
- Reading accuracy is +/-3%
- Optional auto dialer for remote notification by text or voice
- Optional hand-held printer for on-site data history printouts
- Optional Accessories:
Auto Dialer (PM-DIALER)
Wall Hanger (RPM-HANG)
Mini-Printer (PM-PRINTER)



Included PPM3 Accessories:
Battery charger with 10' cable
10 ft. long x 1/8" ID clear air tubing
2 ea. quick-connect adapters for 1/8" ID tubing
2 ea. 1/8" 90° barb elbow connector
2 ea. 10 micron in-line filters with 1/8" barbs
2 GB Flash Drive

Save money & buy the kit:

Special kit (PPM3-KIT) available that includes the PPM3 monitor and the PM-DIALER auto dialer

PPM3 Technical Specifications	
Battery Charger:	6 volts DC @ 1.0A. Input range of 100-240 VAC, 50-60 HZ
Battery:	3.7V, 2 AH capacity; Lithium Polymer; recharges in 4.5 hours
Battery Life:	1 year in <i>Off Mode</i> ; 6 months in <i>Battery Mode</i> ; 16 hours in <i>AC Power Mode*</i>
Max Power Consumption:	150 mA at max display brightness, 282 uA in <i>Battery Mode</i> , 210 uA in <i>Off Mode</i>
Pressure Units Displayed:	Inches of water column (in wc), Pascal (Pa)
Range of Measurement:	+/- 0.10 in wc, +/- 25 Pa
Accuracy of Measurement:	+/- 3% Full Scale
Display:	3.5" 262K color TFT display, 320 x 240 resolution
Display Resolution:	0.0001 in wc, 0.025 Pa
Alarms:	Custom alarm set points from -0.0400 in wc (-9.964 Pa) to 0.0400 in wc (9.964 Pa) at a resolution of 0.0001 in wc (0.025 Pa)
Types of Alarms:	Audible internal speaker with sound pressure level of 85 dB at 10 cm; display warning (yellow for pre-alarm, red for alarm)
Aux Alarm Ports:	6 position 0.125" (3.5mm) header port, dual relays with normally open, normally closed and common; relay output rated at 2 amps @ 30 volts DC; no power is provided
External Auto Dialer:	The Aux Alarm Port can be used to drive an External Auto Dialer (sold separately) to remotely inform the operator of an alarm. The auto dialer supports voice to cell or land line calling and SMS messaging.
Pressure Ports (2):	0.194" (1.5mm) quick connect fitting (quick connects supplied with two barbs for 1/8" (3mm) ID tubing); adaptable with 1/8" (3mm) ID silicone tubing
Operating Temperature:	41°F - 131°F (5°C - 55°C)
Storage Temperature:	-22°F - 176°F (-30°C - 80°C)
Operating Humidity:	0% - 85% relative humidity (non-condensing)
Operating Altitude:	9,000 feet maximum
USB Port:	USB V1.0 type A for connecting USB flash drive or thermal printer
Data Type:	Data transmitted in CSV file via USB flash drive can be imported into any text based editor
Data Storage Capacity:	4 MB; >12000 logged events in non-volatile memory (no power or battery required)
Data Logging:	Date and time are shown with a logged event. Events are: alarm condition with current pressure; system startup; alarm reset; configuration change; low battery; archive erased; calibration; start battery mode; start on mode; start off mode; pressure interval; and next day
Internal Clock:	Powered by the main lithium polymer battery that provides one year of clock operation when AC power is not present
Physical Dimensions:	12"wide x 10"high x 5"deep (304mm x 254mm x 127mm)
Weight:	5 lbs (11.02kg) including power supply and hose
Inline Filter:	10 micron Polypro HDPE inline filter with 1/8" (3mm) barbed ends
<p>*Note: This instrument is operated from an internal lithium polymer battery. This is a rechargeable battery which must be conditioned before use. When receiving the unit, turn the power on using the ON/OFF switch and leave it to operate in AC mode until the battery discharges completely. The screen and the LED will go off when the battery is depleted. The unit should then be charged until a full charge is achieved (approximately 5 hours). The unit is now ready for use. Please note that the battery should be fully charged every 6 months even if the instrument is not used.</p>	



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