



PORTABLE DIFFERENTIAL PRESSURE MONITOR

For Continuous or Intermittent Monitoring of Differential Pressure

PPM4

PPM4

Intuitive. Effective. Accurate. Easy to Use.

The PPM4 Portable Room Pressure Monitor from Abatement Technologies® is an essential tool for measuring the real-time pressure differential between two adjacent areas within a facility.

FEATURES & BENEFITS

- Real-time monitoring of differential pressure
- Color touch-screen display
- Battery or AC operation. Internal rechargeable Lithium Polymer battery.
- Rugged case is suitable for harsh environments. Optionally operate with the case open or closed or with optional hanging bracket.
- USB port for on-site firmware upgrading and archive history downloading as well as optional web and mobile app connection for offsite monitoring
- Visual and audible alarm system
- Optional email & text message notification of alarms
- Selectable pressure measurement units in Inches WC and Pascals
- Up to 3 Days of operation under battery power
- Differential pressure measurement in the ranges of -25Pa (-0.1 inWC) to +25Pa (+0.1 inWC)
- Operating temperature range of 41°F (5°C) to 131°F (55°C)
- 2 GB flash drive included for history offloading
- Job number to aid in job site distinction



STANDARD ACCESSORIES INCLUDE:

- 1 ea. 12VDC @ 1 Amp output power supply/battery charger with 5' cable
- 1 ea. 10' long x 1/8" ID clear air tubing
- 2 ea. Quick-connect adapters for 1/8" ID tubing
- 2 ea. 1/8" barb elbow connector attachments for closed box operation
- 2 ea. 10-micron in-line filters with 1/8" barbs
- 1 ea. 2 GB flash drive

OPTIONAL ACCESSORY

- Wall Hanger attaches to the rear of the PPM4 case for secure wall mounting. P/N RPM-HANG sold separately



PPM4

TECHNICAL SPECIFICATIONS

Battery Charger	12 Volts DC @ 2.0A Input range of 100-240 VAC, 50-60 HZ
Battery	7.4V, 5.0 AH capacity; Lithium Polymer; Recharges in 7 hours
Battery Life	1 year in <i>Off Mode</i> ; 3 days in <i>Battery Mode</i> ; 8 hrs in <i>AC Power Mode</i> *
Max Power Consumption	150mA at max display brightness, 300uA in Battery Mode
Pressure Units Displayed	Inches of water column (inWC), Pascal (Pa)
Range of Measurement	+/- 0.10inWC, +/- 25Pa
Accuracy of Measurement	+/- 3% Full Scale
Display	7" 65K color TFT display, 800 x 480 resolution
Display Resolution	0.0001 inWC, 0.025 Pa
Alarms	Custom alarm set points can be set for any range from very high to very low
Types of Alarms	Audible internal speaker with sound pressure level of 85dB at 10cm; display warning (yellow for pre-alarm, red for alarm)
Pressure Ports	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
WiFi Connectivity	IEEE802.11b/g/n, 20MHz channel bandwidth, 2.4GHz
Data Type	Data transmitted in CSV file via USB flash drive can be imported into any text-based editor or spreadsheet program
Data Storage Capacity	4MB; >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.
Job Numbers	Can be any 8-digit number or word or combination, unlimited
Internal Clock	Powered by lithium polymer battery that provides one year of clock operation when AC power is not present. Maintaining the charge in the battery ensures that the time will not be lost.
Physical Dimensions	12"L x 10"W x 5"H (30.48cm x 25.4cm x 12.7cm)
Weight	5 lbs (11.02kg) including case, Battery Charger and hose
Inline Filter	10 micron Polypro HDPE inline filter with 1/8" (3mm) barbed ends

OPTIONAL WEB, WIFI, & MOBILE CONNECTIONS

WIFI DEVICE VIEWING

A free web platform that will allow setting up alarm notifications to multiple phone numbers or email addresses when the device is in an alarm state by connecting the device through WIFI.

MOBILE APP

Once the account and device are set up on the web portal, the user can customize settings through the Mobile APP. Use the APPLE STORE or PLAY STORE to download the AT-CONNECT app. Login with the same credentials as the web portal and view the devices registered to the account. Cellular Connectivity is available for the PPM4 through an optional LTE Radio Expansion Module (PMA-CM, sold separately). Contact Sales for more information.

*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 unused. Specifications and details are subject to change without prior notice.

CONTACT US FOR MORE INFORMATION



USA	CANADA
1-800-634-9091	1-800-827-6443
ABATEMENT.COM	ABATEMENT.CA
IAQINFO@ABATEMENT.COM	IAQINFO@ABATEMENT.CA

THE PPM4 IS BEST SUITED FOR:

-  HEALTHCARE CONSTRUCTION
-  ABATEMENT & REMEDIATION
-  DISASTER RESTORATION