

PPM3-S

PORTABLE DIFFERENTIAL PRESSURE MONITOR

For Continuous or Intermittent Monitoring of Differential Pressure

Intuitive. Effective. Accurate. Easy to Use.

The PPM3-S 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

- Ultra-tough case with clear 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 ranges of -0.10inWC (-25 Pa) to +0.10inWC (+25 Pa)
- Archived history logs are easily downloaded in CSV format to a USB flash drive. CSV format can be easily reviewed in a text editing or spreadsheet program.

STANDARD ACCESSORIES INCLUDE

- 1 ea. battery charger with 10' 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" 90° barb elbow connector
- 2 ea. 10 micron in-line filters with 1/8" barbs
- 1 ea. 1 GB flash drive

OPTIONAL ACCESSORY



Wall Hanger (RPM-HANG) attaches to the rear of the PPM3-S case for secure wall mounting. P/N RPM-HANG sold separately.



THE PPM3-S IS BEST SUITED FOR:



ABATEMENT & REMEDIATION



HEALTH CARE CONSTRUCTION

ABATEMENT
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TECHNICAL SPECIFICATIONS

Battery Charger:	6 volts DC @ 1.0A Input range of 100-240 VAC, 50-60 HZ
Battery:	3.7V, 2AH capacity; Lithium Polymer; recharges in 5 hours
Battery Life:	Up to 1 year in Off Mode; up to 6 months in Battery Mode; up to 12 hours in AC Power Mode*
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:	3.5" 262K color TFT display, 320 x 240 resolution
Display Resolution:	0.0001inWC, 0.025Pa
Alarms:	Custom alarm set points from -0.1000inWC (-24.884Pa) to 0.1000inWC (24.884Pa) at a resolution of 0.0001inWC (0.025Pa)
Types of Alarms:	Audible internal speaker with sound pressure level of 85dB at 10cm; display warning (yellow for pre-alarm, red for alarm)
Aux Alarm Port:	6 position 3.5mm header port, dual relays with normally open, normally closed and common; each relay output rated at 2 amps @ 30 volts DC; no power is provided
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
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:	256 available ranging from 0 to 255
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 insures 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

*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.

Specifications and details are subject to change without prior notice.