

HEPA-CARE® PORTABLE ROOM PRESSURE MONITOR

For Negative Pressure & Positive Pressure Environments

Ideal for use in combination with portable air filtration devices, the compact HCPDPM2 can be used to continuously or intermittently monitor pressure relationships between two adjacent areas. It is primarily used for shorter-term negative or positive pressure containment areas, but can also be hung on a wall and function as a fixed monitor for longer-term applications. Equipped with sophisticated electronics, the readings stored in its memory are easily transmitted into a Microsoft® Word or Excel file via the included jump drive.

Display Options

Inches Water Column (WC)
Pascals (Pa)

Operating Range

+/- 0.1" WC / 25 Pa

Resolution

0.001" WC / 0.025 Pa

Calibration

Auto Calibration

Data Storage Capacity

16 Megabits Memory
90+ Days of Readings

Display

OLED 128 x 64 pixels
Backlit
2 Brightness Settings

Alarms

8 Programmable Set Points

Power Supply

6VDC @ 2.4A

Battery

3.6V, 2.7 AH, niMH Type
4 to 6 Hour Recharge Time

Limited Warranty

1 Year

Included Accessories

Jump Drive
25' of Air Hose
2 Quick-Connect Fittings
Soft Protective Case with Clear Display Window
Zippered Storage Pouch



 **ABATEMENT**
TECHNOLOGIES®
Technologically Advanced Air Purification Products

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HCPDPM2 Technical Specifications

Power supply:	6 volts DC @ 2.4 amps. Input range of 100-240 volts AC, 50-60 HZ
Battery:	3.6 volt, 2.7 amp hour (AH) capacity; NiMH type; recharges in 6 hours
Max power consumption:	160 milliamps (ma) in monitor mode, 275 ma in display mode.
Pressure units displayed:	Inches of Water Column (WC), Pascal (Pa)
Range of measurement:	± 0.10 inches WC, ± 25 Pa
Accuracy of measurement:	± 1% of full scale
Display:	Organic light-emitting diode (OLED), 128 x 64 pixels, 3.5 sq inch viewing area with 2 levels of brightness.
Display resolution:	.0001 inches WC, ± .001 Pa
Alarms:	8 alarm set-points -10% to 80% change in pressure in 10% increments
Types of alarms:	Audible with sound pressure level (SPL) of 73dB at 2'; flashing OLED and display warning
Accuracy of alarm output:	1% of alarm set-point for light and relay
Aux alarm port:	.125" stereo-type jack; normally open and common; transistor output rated 0.5 amps @30 volts DC; power at 5 volts DC up to 100 milliamps also provided
Pressure ports:	2 each .0154" barbed connectors with 20 feet of .125" ID tubing
Proof pressure:	5 PSI on either port
Burst pressure:	15 PSI on either port
Maximum pressure limit:	10 PSI
Internal fuse rating:	2.5 amps, not user replaceable
Operating temp range:	0°F - 150°F (-18°C - 65°C)
Operating humidity range:	10% - 90% relative humidity
Storage temp range:	-40°F - 185°F (-40°C - 85°C)
USB port for jump drive:	USB V1.0 type B for data transmission to jump drive
Data type:	Data transmitted via USB port and can be imported into Microsoft® Word, Word Pad or Excel
Data storage capacity:	16 mega bits; 90+ days of readings (>30,000 logged events) in non-volatile memory (no power or battery required)
Data logging:	Normal operation - average pressure at intervals of 5, 10, 15, and 20 minutes Alarm condition - current pressure with time and date Pressure restored, power OFF, restart and low battery
Internal clock:	Powered by a lithium ion battery that provides years of clock operation when neither AC nor DC power is present
Physical dimensions:	8"L x 6"W x 2.25"D
Weight:	1.6 lbs