



Porous Material Inc. (USA)

Water Intrusion Porosimeter



Description :

PMI's Water Intrusion Porosimeter offers an alternative to mercury porosimetry for hydrophobic samples. The Water Intrusion Porosimeter performs a wide array of tests including bulk density, pore size distribution, mean pore size, and total pore volume. The fully-automated Water Intrusion Porosimeter allows complete user-control, unlimited data points, and quick and accurate results.

Applications / Features :

PMI's Water Intrusion Porosimeter is ideal for quality control of hydrophobic materials, as tests are non-destructive and less than 10 minutes in length. Industries served range from the personal hygiene industry to automotive.

- ✚ User-determined data point collection based on volume change, pressure change, or combination
- ✚ Compatible with Windows 95 or higher
- ✚ Windows-based software handles all control, measurement, data collection, and report generation; manual control also possible
- ✚ Real-time graphical test display depicts testing status and results throughout operation
- ✚ Non-destructive testing
- ✚ Length of test approximately 10 minutes
- ✚ Wide range of acceptable sample geometries -- sample must be hydrophobic

Specifications :

Pore Size Range	0.0005 - 200 microns
Surface Area Range	1 - 100 m²/g
Sample Size	27 cm H x 2 cm D
Pressure Range	0 -12,000 PSI
Pressure Transducer Range	2,000 - 12,000 PSI
Resolution	1 in 20,000
Accuracy	0.1% of FS
Power Requirements	110/220 VAC, 50/60 Hz
Dimensions	36" H x 36" D x 24" W
Weight	120 lbs

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