



Porous Material Inc. (USA)

Complete Filter Cartridge Tester



Description :

The PMI Complete Filter Cartridge Tester provides fully automated through-pore analysis of entire filter cartridges of various geometries. Tests include bubble point, pore size distribution, mean pore size, gas, liquid, and Frazier permeability, and filter integrity.

Featuring non-destructive testing in less than 10 minutes, PMI's Complete Filter Cartridge Tester is perfect for quality control and R&D studies.

Applications / Features :

PMI's Complete Filter Cartridge Tester is perfect for quality control and R&D environments -- it is fast, accurate, and non-destructive. The Complete Filter Cartridge Tester has applications in any industry that utilizes filter cartridges. Specific examples include the automotive, filtration, non-wovens, and pharmaceutical industries.

- ✚ Windows-based software handles all control, measurement, data collection, and report generation; complete manual control also possible
- ✚ Compatible with Windows 95 or higher
- ✚ Real-time graphical test display depicts testing status and results throughout operation
- ✚ Non-destructive testing
- ✚ Length of test approximately 10 minute per sample
- ✚ Accepts complete filter cartridges of various geometries
- ✚ Transparent sample chamber for visual confirmation
- ✚ Minimal maintenance required

Specifications :

Pore Size Range	0.013 - 500 microns
Permeability Range	1 x 10⁻³ - 50 Darcies
Sample Size	Up to 36" long and 6" in diameter
Pressure Range	0 - 500 PSI
Pressurizing Gas	Clean, dry, compressed air or nonflammable, non-corrosive gas
Pressure Transducer Range	0 - 500 PSI
Resolution	1 in 20,000
Accuracy	0.15% of reading
Mass Flow Transducer Range	0-10 cc/minute - 5,000 L/minute
Power Requirements	110/220 VAC, 50/60 Hz
Dimensions	30" H x 30" W x 18.5" D
Weight	150 lbs

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