



Porous Material Inc. (USA)

Integrity Analyzer

Description :

The PMI Integrity Analyzer provides fully automated analysis of filter integrity, an expansion of the bubble point test. The integrity test detects small amounts of flow through the sample before the bubble point is reached. The user-friendly Integrity Analyzer features non-destructive testing and can test a wide variety of samples.

Applications / Features :

Industries worldwide, ranging from the filtration to the non-wovens to the battery industries, utilize the PMI Integrity Tester for R&D and quality control. Samples tested include filter media, membranes, paper, and battery separators.

- ✚ Allows testing of sample under tension, compression, or elevated temperature to simulate actual operating conditions
- ✚ Determines gas permeability of nearly impermeable samples (microflow permeability)
- ✚ Windows-based software handles all control, measurement, data collection, and report generation; 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 less than 30 minutes
- ✚ Wide range of acceptable sample sizes and types
- ✚ 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	1.75" - 2.5" 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	10 cc/minute - 500 L/minute
Power Requirements	110/220 VAC, 50/60 Hz
Dimensions	30" H x 19" W x 18.5" D
Weight	100 lbs

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