Foam Porosity Tester

Automatic Model: F0031

a measurable difference...

The Auto FPT is used for monitoring the porosity of flexible cellular polyurethane.

The machine determines how easy air passes through a cellular structure. Airflow values may be used as an indirect measurement of certain cell structure characteristics. The F0031 model foam porosity tester is made with reference to international standards for measurement of a flexible cellular test piece, 50mm x 50mm x 25mm, it is placed in a vacuum chamber cavity and a specified automatic constant differential air pressure is applied. The F0031's Pa Pressure can be digitally set on the display and once the FPT reaches the Pa automatically the rate of airflow at the set Pa is locked in and (Held) on the Flow display automatically completing a test in seconds.

Applications:

- Flexible cellular polyurethane
- Visco Foams

Benefits:

- Able to measure Visco Foam (memory foam)
- Fast automatic results
- Quick and simple process
- Useful for Quality Control
- Precise, repeatable tests results
- Easy to use
- Accurate
- Reduction of rejects

Features:

- Touch Screen Operation
- Digital Manometer: 0-500 Pa ± 1%
- Variable Pa Range
- Automatic Pa control
- Automatic Flow reading hold
- Selectable Units L/min, CF/min
- RS232 Data Output
- Different Flow ranges available
- Test head area: 50mm x 50mm x 25mm

Dimensions:

- **H:** 375mm • **W:** 200mm • **D:** 650mm • **Weight:** 38kg

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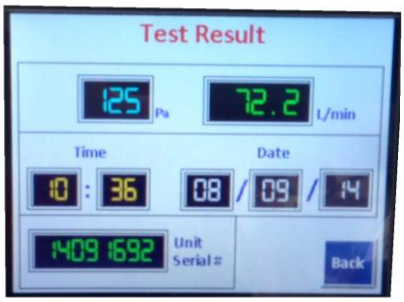
Test Screen:

The test screen features the setup, start and stop touch buttons for testing. It displays the pre-set pa pressure and flow L/min.

Result Screen:

After a stable reading for 2 seconds, the test result screen will automatically be displayed showing results.



Standards:

- AS 2282.14
- ASTM D3574 - Test G
- ISO 7231
- BS EN ISO 7231
- DIN EN ISO 7231
- EN ISO 7231
- JIS K 6400

Options:

- Printer

- Electrical Connections:

220/240 VAC @ 50 HZ
110 VAC @ 60 HZ

(*Please select instrument range upon order)*

- Different Flow ranges available:

L/min	Accuracy
0.2 - 20	± 2% FS
2 - 200	± 1% FS
5 - 500	± 1% FS

(*Please select instrument range upon order)*

PLEASE NOTE:
Idm supplies BP Series Bandsaws which are perfect for thicker foam sample preparation. (particularly for F0031 sample pieces)

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