

Foam Porosity Tester

Model: F0031

a measurable difference...

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instruments

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 pressure in Pa can be digitally set on the display and once the FPT reaches the set pressure, the rate of airflow at the set Pa is automatically locked in and held on the flow display, completing a test in seconds.



Applications:

- Different Flow ranges available:

Model	Range	Accuracy	Suggested Applications
F0031-20	0.2-20 L/min	± 2% FS	High Density flexible cellular polyurethane, visco memory foam, packaging foam, acoustic foam, neoprene rubber, closed cell foam etc. eg. furniture, sound dampening, packaging, automotive, mattresses etc
F0031-200	2-200 L/min	± 1% FS	Medium Density flexible cellular polyurethane, packaging foam etc. eg. furniture, packaging, automotive, mattresses etc
F0031-500	5-500 L/min	± 1% FS	Low Density flexible cellular polyurethane, speaker foam, expanded foam, anti-static foam, open cell foam etc. eg. air filter foams, arts and crafts etc

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
- Test head area: 50mm x 50mm x 25mm

Benefits:

- Fast Automatic Testing
- Quick and simple process
- Precise, repeatable tests results
- Wide range of samples (including visco foam)
- Used for quality control
- Reducing rejects

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Standards:

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

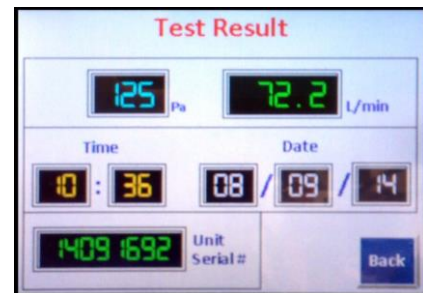
Test Screen:

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.



Options:

- Printer
- Software
- RS232 Cable

Connection:

- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60
please specify when ordering

Dimensions:

- **H:** 375mm
- **W:** 200mm
- **D:** 650mm
- **Weight:** 22kg

Related Items:

Use the S0017 Sample Band Saw to cut foam samples suitable for the Foam Porosity Tester.

