

Foam Porosity Tester Digital

Model: F0023

a measurable difference...

IDM[®]

instruments

The Digital Foam Porosity Tester is an instrument for monitoring the porosity of flexible cellular polyurethane. The machine determines the ease with which air passes through a cellular structure. Airflow values may be used as an indirect measurement of certain cell structure characteristics. A flexible cellular test piece, 50mm x 50mm x 25mm, is placed in a cavity over a vacuum chamber and a specified constant differential air pressure is created. The rate of airflow required to maintain this pressure, is the airflow value.

Applications:

- Flexible cellular polyurethane

Features:

- Digital Manometer: 100-500 Pa \pm 2%
- Variable Flow Range
- Test head area: 50mm x 50mm
- Test Temperature: 23°
- Different ranges available
(please specify from Options menu)

Benefits:

- Digital operation
- Quick and simple process
- Useful for Quality Control
- Precise, repeatable tests
- Easy to use
- Fast results
- Accurate

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
- Different ranges available:
(Please select instrument range upon order)

0.2 – 20 L/min unit:

- Accuracy: 0.2 – 2 L/min = \pm 1% FS
- Accuracy: 2 – 20 L/min = \pm 3% rdg

2 – 200 L/min unit:

- Accuracy: 2 – 20 L/min = \pm 1% FS
- Accuracy: 20 – 200 L/min = \pm 3% rdg

5 – 500 L/min unit:

- Accuracy: 5 – 50 L/min = \pm 1% FS
- Accuracy: 50 – 500 L/min = \pm 3% rdg

Connections:

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



* shown with optional Printer

Dimensions:

- **H:** 650mm
- **W:** 650mm
- **D:** 850mm
- **Weight:** 40kg