

*a measurable difference...*



## Foam Porosity Tester Digital

### Model: F0023

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.

### Application:

- Flexible cellular polyurethane

### Benefits:

- Digital operation
- Quick and simple process
- Useful for Quality Control
- Precise, repeatable tests

### 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)

### Optional:

- 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



\* shown with optional Printer

### Standards:

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

### Connections:

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

### Dimensions:

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

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