



AirFicient Air Permeability Tester

The AirFicient is suitable for a variety of textiles including technical fabrics, non-woven fabrics and other breathable products such as sponges and paper and other materials for air permeability testing. The principle is that the air passes vertically through the fabric, forming a certain pressure difference between the front and back sides of the fabric, measuring the amount of air flowing through the fabric under a certain pressure difference, thus obtaining the air permeability value.

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Power
230V 50/60Hz 8A



Weight
125 kg



Dimension
970*400*970mm (D*W*H)

Specifications

Measurement units	mm/s m/s l/m ² /s ft ³ /min/ft ² cfm cm ³ /s/cm ² l/s/cm ² l/m ² /min l/dm ² /min l/min m ³ /min dm ³ /s m ³ /s/m ² m ³ /min/m ² m ³ /h/m ² ft ³ /s/ft ²
Test Mode	Automatic
Test head	20 cm ² (standard)
Test pressure	10 ~ 2,500 Pa
Air velocity	0.6 ~ 10,000 mm/s (20 cm ²)
Maximum sample thickness	0 ~ 10 mm
Testing Accuracy	<+/-2%
Optional test heads	5 cm ² , 25 cm ² , 38 cm ² , 50 cm ² , 100 cm ²

- Accurate and fast testing, easy access to test results**
 Innovative test model with maintenance-free, non-depleting range conversion components, high repeatability of test results and high reliability.
- Smart instrument**
 Can be connected through Wi-Fi with SmarTexLab App installed in the smart phones, set parameters, monitor the test status, receive equipment warning reminders, replenishment reminders, etc., and share test results with one click.
- Smart human-computer interaction interface**
 Guides the operation test, simple and easy to get started, no learning cost.
- The test standards are set in the program**
 One key to reach the test standard in need, fast and efficient.
- Automatic identification of test fixture heads**
 That applicable to different ranges. Can be set arbitrarily different national standard parameters, units, test results without conversion.
- High-quality core components**
 Equipped with pressure sensors from international brands, to ensure the accuracy of test data.

Standard

GB/T5453 ISO 9237 ISO 9073:15 JIS L1096 Item8.26
 Method C BS 3424-16 BS 6F 100 3.13 NWSP 070.1.RO(15)
 GB/T 24218.15

Optional standard

ASTM D737