



## AirFicient Air Permeability Tester

The AirFicient Air Permeability Tester allows you to quickly get reliable air permeability test results, and it is a smart instrument so you can set parameters, monitor the test status, etc., from your smartphone, which greatly improves work efficiency.

It is suitable for a variety of textiles including technical fabrics, non-woven fabrics, and other breathable products such as sponges paper, and other materials for air permeability testing. Applicable to GB/T5453, ISO 9237, ISO 9073:15, JIS L1096 Item 8.26 Method C, BS 3424-16, BS 6F 100 3.1, NWSP 070.1.RO(15), GB/T 24218.15, etc.

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.

# AirFicient

## Air Permeability Tester



### Power

220/110V 50/60Hz



### Weight

125kg



### Dimension

970\*400\*970 mm(L\*W\*H)

### The Specification of AirFicient

Measurement units:	mm/s, m/s, l/m <sup>2</sup> /s, ft <sup>3</sup> /min/ft <sup>2</sup> , cfm cm <sup>3</sup> /s/cm <sup>2</sup> , l/s/cm <sup>2</sup> , l/m <sup>2</sup> /min 1/dm <sup>2</sup> /min, l/min, m <sup>3</sup> /min, dm <sup>3</sup> /s m <sup>3</sup> /s/m <sup>2</sup> , m <sup>3</sup> /min/m <sup>2</sup> , m <sup>3</sup> /h/m <sup>2</sup> , ft <sup>3</sup> /s/ft <sup>2</sup>
Test Mode	Automatic
Test head	20 cm <sup>2</sup> (standard)
Test pressure	10 ~ 2,500 Pa
Air velocity	0.6 ~ 10,000 mm/s (20 cm <sup>2</sup> )
Measurable sample thickness range	0 ~ 10 mm (other thicknesses and fixtures can be customized)
Testing Accuracy	< +/-2%
Optional test heads	5 cm <sup>2</sup> , 25 cm <sup>2</sup> , 38 cm <sup>2</sup> , 50 cm <sup>2</sup> , 100 cm <sup>2</sup>

#### Tests are easy and fast.

The AirFicient is easy to operate, you can select the test standards and measurement units from the operation screen. And the instrument can automatically recognize the different ranges of the test fixture head. You can start the test and get the result directly.

#### More reliable test results

Innovative test model, the range conversion components are maintenance-free, no loss, bringing high repeatability and reliability to test results.  
High-quality core components, such as pressure sensors from famous brands, further ensure the accuracy of the test results.

#### Smart instrument

Can be connected through Wi-Fi with the SmarTexLab App installed in the smartphones, you can set parameters, monitor the test status, receive equipment warning reminders, etc., and share test results with the quality control department or brand buyers.

### 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