

## N900 Textile Air permeability Tester



### Application

N900 Air permeability analyzer, a blend of mechanism, electron and software, is high precision experiment-usage testing instrument developed by GB/T5453-1997 Textile--Determination of the air permeability of fabrics. It is suitable for testing the air permeability of various textile fabrics, including industrial fabrics, non-woven fabrics and other breathable textile products. High precision sensor is adopted to replace the traditional water column differential pressure test. LCD display and touch screen operation are adopted. The test parameters are set by numbers, which is convenient and fast. The built-in micro-control system calculates the test data and prints the test results, eliminating manual conversion. The instrument is equipped with a computer interface, making the operation simple and easy, with higher accuracy and efficiency.

### Features

- ◆ Cylinder control and fix the sample automatically, quick test.
- ◆ Pressure adjustable; auto measure, auto calculate results.

- ◆ Mainframe configures color touch screen, without external computer, can observe the permeability rate of the sample in real-time.
- ◆ Can test multiple sets of data continuously; can query, delete a group or groups of experimental results, print reports.
- ◆ Professional software, simple interface, easy to operate, display test data (air permeability, variation coefficient and other parameters) in real time, support different unit conversion. (Test unit: mm/s, l/(dm<sup>2</sup>.min), l/(m<sup>2</sup>.s), m<sup>3</sup>/(m<sup>2</sup>.min), m<sup>3</sup>/(m<sup>2</sup>.h), cfm, cm<sup>3</sup>/(cm<sup>2</sup>.h), ml/s, ml/min, l/s, l/min)
- ◆ Generate standard test report automatically, details contain sample name, specifications, serial number, the direction of the airflow through the fabric, test area and the pressure drop of the experiment, standard, test dates, and test results (air permeability rate, variation coefficient, 95% confidence interval).

## Standard

ISO 4638-1984、ASTM D737-2004(2016)

## Specifications

Item	Specifications
Pressure differential measurement range	1~5000Pa (pressure drop can be adjusted)
Test range	1~5000mm/s
Test error	≤±2%
Sample size	150mm×150mm
Test area	5cm <sup>2</sup> 、20 cm <sup>2</sup> 、50 cm <sup>2</sup> 、100 cm <sup>2</sup>

Sample thickness	≤10mm
------------------	-------

Testing unit	mm/s, L/(dm <sup>2</sup> ·min), L/(m <sup>2</sup> ·s), m <sup>3</sup> /(m <sup>2</sup> ·min), m <sup>3</sup> /(m <sup>2</sup> ·h), cfm, cm <sup>3</sup> /(cm <sup>2</sup> ·h), mL/s, mL/min, L/s, L/min
Instrument size	640×380×865mm (L×W×H)
Weight	70KG
Power supply	AC 220 V , 50 Hz

## Application Areas

		
Woven fabrics	Knitted fabrics	Nonwoven fabrics
		
parachute	Sail	Space suit

Note: GBPI is always committed to product innovation and improved performance, so accordingly product technical specifications are subject to change without notice. GBPI reserves the right to amend and the final power of interpretation.

