

AT161 AUTOMATICALLY AIR PERMEABILITY TESTER



Application:

AT161 Automatically Air Permeability Tester is used to determine the resistance of fabrics (woven, knitted and nonwoven textile materials), industrial paper (air filter paper, cement bag paper, industrial filter paper), leather, plastic, and chemical products to the passage of air (air flow) under constant pre-set air pressure while firmly clamped in the test rig of selected test head.

Standards:

ISO 9237, 7231, 5636	ASTM D737	BS5636
DIN 53887	JIS L1096	GB/T 5453, 13764

Note: For more standards, please contact us

Features:

- ★ **The first successful establishment metering transfer system of permeability test based on a mass flow meter, completely solve the problem of breath quality test traceability problem, bring a substantial increase in measurement accuracy;**
- ★ With two test method: Quick test (a single test time is less than 30 seconds, the results quickly); Stable test (fan speed increase uniform, reach to set the pressure difference, keep the pressure for a certain time to come to the results, very suitable for some relatively small permeability sample to complete high-precision test)
- ★ Special designed for the large amount of test, can complete a test by just press the clamp, no need other operations, data automatically save, improve the detection efficiency;
- ★ Adopts new technology, high configuration, the whole shell adopts imported metal paint, beautiful appearance, stable performance, easy operation, no special maintenance in the future, low maintenance costs;
- ★ Adopt **large-screen color touch screen** to control the test, can also be used computer control test, the computer can be real-time display pressure - permeability dynamic curve, easy to control product quality, so that R & D personnel more intuitive understanding of sample breathability;
- ★ Using high-precision imported micro differential pressure sensor, the measurement results are accurate, reproducible, significantly better than the domestic counterparts production of related products;
- ★ Fully automatic measurement, put sample to specified position, the instrument automatically find the right measurement range, automatic adjustment, accurate measurement;
- ★ **Pneumatic clamping sample**, fully meet the requirements of a variety of materials clamping;
- ★ Adopt self-designed silencer to control the suction fan, to solve noise problems due to large pressure;
- ★ Adopt long arm clamping handle, can measure large samples without cut, greatly improve work efficiency;
- ★ Special aluminum sample table, whole shell with metal coating process, durable and nice appearance, easy to clean;
- ★ Instrument operation is very simple, even inexperienced personnel also can operate freely;
- ★ Chinese and English interface interchangeable;

Technical Specification:

Model	AT161
Measuring range	0.8~14000mm/s(L/m ² s)
Resolution	0.01mm/s
Measuring accuracy	≤±1%
Sample thickness range	≤ 8mm
Clamping method	Pneumatic clamping, automatically start the test after press the clamp
Suction volume adjustment	Auto dynamic adjustment by feedback data
Sample test area	20cm ²
Test pressure	1~2400Pa
Data processing capacity	Max. 3200
Test unit	mm / s, cm ³ / cm ² / s, L / dm ² / min, m ³ / m ² / min, m ³ / m ² / h, dm ³ / s, cfm
Power supply	AC220V±10%, 50Hz
Power	1500w
Dimensions	550×900×1200mm (L×W×H)
Weight	105kg

Standard Configuration:

No.	Item	Quantity
1.	Main machine	1set
2.	Calibration board	1set
3.	Liner o-ring	1set
4.	Silent air pump	1set
5.	Quality certificate	1pc
6.	User manual	1pc
7.	Packing list	1pc

Optional Configuration:

No.	Item
1.	Computer
2.	Printer
3.	Customized sample test ring