



DIGITAL AIR PERMEABILITY TESTER
MODEL: ADL-DAP01



Press Sample



Insert Orifice Plate



Application

ADL-DAP01 Digital Air Permeability Tester is suitable for measuring the permeability of fabrics to air, which can be applicable to most types of fabrics, including industrial fabrics for technical purposes, nonwovens and made-up textile articles that are permeable to air.

Related Standards:

STANDARDS	ISO 9237	ASTM D737	GB/T 5453, JIS L1096
	BS 5636	DIN 53887	AFNOR G07-111

Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

Features

- Large measuring range (0.5~10,000mm/s), no need to change test area under normal circumstances;
- Use 32bit Industry-grade MCU (Mitsubishi, Japan), more excellent anti-jamming, more excellent stability, more rapid data transference speed, and data storage up to 99 groups;
- All orifice plates have been calibrated point-by-point in full testing range;
- Directly test on the sample, no need to cut samples;
- Automatically remind when samples are not clamped well, delete the test result when pressing the handle in the testing process;
- Automatically identify the diameter of orifice plate;
- Special designed sample holder accomplish test in box and ensure the yarn without slip;
- With the function of saving data when power down;
- Different sample effective test area is optional (5cm², 20cm², 25 cm², 38.3cm², 50 cm², 100cm²);

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Note

Standard	Test Area	Pressure
ISO 9237	20cm ² (5cm ² , 50cm ² , 100cm ²)	100Pa/200Pa
GB/T 5453	20cm ² (5cm ² , 50cm ² , 100cm ²)	100Pa/200Pa
DIN 53887	20cm ²	100Pa/160Pa/200Pa
ASTM D737	38.3cm ²	13mmH2O (=0.5W.C 125Pa)
AFNOR G07-111	20cm ² (50cm ²)	196Pa

- Different orifice plates are available (Φ0.5mm, Φ1.0mm, Φ1.5mm, Φ2.5mm, Φ4.5mm, Φ8.0mm, Φ14.5mm, Φ26mm);



- Branded high accuracy pressure sensor, digital feedback and adjust air volume;



- Touch screen display with mini-printer;



- Equipped with calibration plate, easy for users to check the accuracy of equipment.



Key Specification

• Pressure difference range	50~500Pa
• Measuring range	0.5~10,000mm/s (L/m ² .s)
• Measure accuracy	≤±3%
• Sample thickness	≤5mm
• Sample effective test area	Standard: 20 cm ² , Optional: 5 cm ² , 25 cm ² , 38.3 cm ² , 50 cm ² , 100 cm ²
• Diameter of orifice plate	Φ0.5mm, Φ1.0mm, Φ1.5mm, Φ2.5mm, Φ4.5mm, Φ8.0mm, Φ14.5mm, Φ26mm
• Power supply	AC220V, 50Hz
• Dimensions	700×510×1010mm (L×W×H)
• Net weight	100kg

Standard Configuration

No.	Item	Quantity
1	Main machine	1 set
2	Orifice plate (Φ0.5mm, Φ1.0mm, Φ1.5mm, Φ2.5mm, Φ4.5mm, Φ8.0mm, Φ14.5mm, Φ26mm)	1 pc for each
3	Fixed area ring (20 cm ² or please specify before order)	1 pc
4	Rubber ring	1 pc
5	Standard calibration plate	1 pc
6	Handle	1 pc
7	Thermal paper	1 roll

Optional Accessories

No.	Item
1	Fixed area ring (5cm ² , 20 cm ² , 25 cm ² , 38.3 cm ² , 50 cm ² , 100 cm ²)

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