

APT-1601 Air Permeability Tester



Application

APT-1601 is professionally designed for the determination of air permeability of textiles, nonwovens, porous materials, leather, polyurethane foam, expanded plastics and other equivalent materials.

Principle

Method A:

Providing a constant air flux going through the specimen vertically, the air permeability could be obtained by measuring the pressure difference.

Method B:

Providing the constant pressure difference between two sides of the specimen, the air permeability could be obtained by measuring the air flux through specific area in the certain time.

Features

- Embedded system, remote service available
- Touch screen operation
- TFT real color display
- ISO, ASTM, GB standards.

- Multiple test modes
- Micro-printer prints mini-report
- High precision pressure sensors and Mass flow meter inside
- DB9 RS232 communication port
- DSM system is optional(Laboratory Management Information System), easy to manage test data.

Technical indexes

1. Test range: 0-2000Pa
2. Test range of flux:
0-30L/min (Standard)
500ml/min, 5 L/min, 10 L/min, 20L/min (optional)
3. Sample size: Method A: 52 mm x 52 mm
Method B: $\Phi 12 \text{ mm} \leq D(\text{diameter}) \leq \Phi 71 \text{ mm}$
4. Interface: $\Phi 8 \text{ mm}$
5. Dimension: 510 mm (L) x 354 mm (W) x 318 mm (H)
6. Power supply: AC220V 50Hz
7. Net weight: 29kg

Standard

ISO 9237, ISO 4638, ISO 5636, GB/T 10655, GB/T 5453, GB/T 4689.22, GB/T 13764, ASTM D737, TAPPI T460, JIS P8117

Configuration

Standard configuration: Mainframe, micro-printer, grips, sample cutter, vacuum pump

Optional: Customized grips, micro-printer paper, DSM system.

Note: Specifications are subject to change without prior notice.