



东莞中力仪器科技有限公司

ZhongLi Instrument Technology Co., Ltd.

Introduction

Name: ZL-5010A Fully Automatic Fabric Air Permeability Tester



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【Application】 :

The instrument is used for the determination of the breathability of a variety of textile fabrics, including industrial fabrics, nonwoven fabrics, and other breathable materials; it can be used according to AFNOR (French Standards Association) G07-111, ASTM (American Materials Testing Standards) D737 , BS 5,636 (British Standards), DIN 53,887 (German Industrial Standards), EDANA 140.1 (Association of European Disposable and Nonwoven Fabrics), ISO 9,237 (International Organization for Standardization), JIS L1096-A (Japanese Industrial Standards), TAPPI T251 (Pulp and Paper Industry Association) and other standards are automated and digitized.

【Standards compliant】 :

GB/T5453 GB/T13764 ISO9237 ISO7231 ISO5636 BS5636 ASTM D737 DIN 53887 JIS L1096 BS5636

[Performance characteristics]:

- Automatic replacement of orifice plate, automatic parameter correction, a key to complete the test, without having to manually click on the screen on duty intervention;
- Patented product, automatically measuring the air permeability and air permeability of various samples in the full range.
- All military aluminum alloy rack design, no discoloration and no oxidation for 30 years.
- Philips 32-bit high-speed embedded processor with sampling frequency up to 2500 f/s.
- Exclusive patented sample clamping method in China, which only takes 1 second for sample clamping and 3 times more efficiency than other models.
- Test the body seal air duct design, no external environmental impact error.
- Imported fan, inverter motor control, ultra-quiet, high efficiency;
- Configure RS 232C instrument data port, compatible with PC connection.
- Program Support Language: Chinese and English. (optional)
- Menu-style interface design, the test unit can be switched freely, and can be directly printed out without manual conversion; Units of measurement: mm/s, cfm, cm³/cm²/s, l/m²/s, l/dm²/min, m³/ M²/min and other optional.

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- This machine can be independently configured micro-printer or A4-pin printer, direct output report; (optional)
- With a continuous test mode, computer or instrument screen can be controlled in two directions, suitable for different customer needs;

【Technical Parameters】 :

1. Pressure Range: 0~4000Pa Self-setting pressure drop
2. Measurable air permeability: 0.2~12000mm/s
3. Measurement error: $\leq \pm 1\%$
4. Measurable fabric thickness: $\leq 20\text{mm}$
5. suction volume adjustment: data feedback dynamic adjustment
6. sample area setting circle: 20cm²
Optional 5cm²; 50cm²; 100cm²; $\Phi 50\text{mm}$ ($\approx 19.6\text{cm}^2$); $\Phi 70\text{mm}$ ($\approx 38.5\text{cm}^2$)
7. Test Plates: Automatic Replacement, Automatic Measurement
8. data processing capacity: ≤ 2500 tests
9. data output: high-definition touch screen display; A4 Chinese print; computer interface (optional)
- 10 .Power Source: AC 220V \pm 10V 50Hz
11. Weight: 110Kg
12. Outer shape: 600 \times 750 \times 1250mm (L \times W \times H)