

GTR-704C Air Permeability Tester



Application

GTR-704C tester is applied for is suitable for the analysis and determination of the air permeability and the air resistance of various kinds of battery separation membranes, heat exchange membranes, paper, carbon paper, textiles, non-woven fabrics and other materials.

Features

- Touch screen operation
- Embedded system, remote service
- Test pressure accurately control
- Highly accurate sensors to ensure the accuracy and repeatability
- Touch screen operation
- Automatic overload protection
- Built in data query function
- Standard communication interface
- Calculation of embedded porosity, apparent density, area density can be optional
- The calibration can be traceable to ensure the measurability of the test data

Technical indexes

Test Range: 0.1 ~ 2.5E+05 ml.mm/(cm².h.mmHg) (Standard)

0.3 ~ 7.5E+05 ml.mm/(cm².h.mmHg) (Optional)

0.5 ~ 1.3E+06 ml.mm/(cm².h.mmHg) (Optional)

3 ~ 7.5E+06 ml.mm/(cm².h.mmHg) (Optional)

Others can be customized.

Accuracy: 0.1ml.mm/(cm².h.mmHg)

Temperature range: 5C-95C (With temperature controller, Optional)

Temperature accuracy: ±0.1C

Pressure range: 500Pa (Standard)

50Pa, 1000Pa, 2000kPa can be optional

Pressure accuracy: 0.1%FS

Flow: 1000mL/min or 2000mL/min or 6000mL/min

Flow accuracy: 1%FS

Test Area: 1.0in².

Sample Thickness: ≤2.5 mm (Standard)

Test Gas: Air (Self-provide)

Gas Resource: 0.3MPa~1.0MPa

Pipeline resistance: ≤1.0MPa (10kgf/cm²)

Interface: Φ6mm

Dimension: 320mm (L) ×380mm (D) ×410mm (H)

Power Supply: AC 220V 50Hz

Net Wt.: 25 kg

Standard

GB/T 20042.7, ISO 5636.5, ASTM D726, TAPPI T460, TAPPI T536, TAPPI T538, TAPPI T490

Configuration

Standard: mainframe, moisture super filter, precision pressure regulator.

Optional: temperature controller, calibration assembly.

Note: Specifications are subject to change without prior notice.