

GTR-704R Air Permeability Tester



Application

GTR-704R tester 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, textiles, non-woven fabrics and other materials. Testing of GTR-704R is fully automatic during the whole procedure.

Features

- Standard Gurley method, own technology
- Touch screen operation
- Specimen automatic clamping
- Test pressure automatic control
- Test pressure real time display
- Test data curve real time display
- Output in seconds, $\mu\text{m}/\text{Pa}\cdot\text{s}$, other units optional
- Interchangeable test heads(optional)
- Embedded system, remote service
- Built in micro-printer to print reports
- Built in data query function
- Automatic overload protection.
- Highly accurate sensors to ensure the accuracy and repeatability.
- Advanced control device, reliable operation and long service life
- Standard communication interface
- The calibration can be traceable to ensure the measurability of the test data

Technical indexes

Test Range: 30 ~ 60,000 Gurley Seconds (Standard)

0.0021 ~ 200um/Pa.s (Standard)

15 ~ 30,000Gurley Seconds (Optional)

5 ~ 15,000 Gurley Seconds (Optional)

Resolution : 0.1Gurley Seconds

Sample Amount : 1 (Standard)

Differential Pressure : 0.01kPa ~ 20kPa (STD : 1.22kPa)

Accuracy: 0.01kPa

Test Area: 1.0in². (0.25in², 0.1in² optional)

Sample Thickness: ≤5mm

Test Gas: Air, O₂, N₂, CO₂ (Self-provide)

Gas Resource: 0.3MPa ~ 1.0MPa

Interface: Φ6mm

Dimension: 370mm(L)×320mm(W)×220mm(H)

Power Supply: AC 220V 50Hz

Net Wt. 20kg

Standard

ISO 5636.5 , ASTM D726, TAPPI T460 , TAPPI T536 , TAPPI T538 , TAPPI T490

Configuration

Standard: mainframe, test head(1.0in²), moisture super filter, precision pressure regulator.

Optional: calibration assembly.

Note: Specifications are subject to change without prior notice.