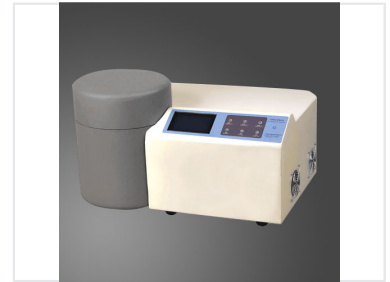


Gas Transmission Rate Tester

This instrument tests the gas transmission rate (GTR) of packaging materials. It is widely used in the food, pharmaceutical, and flexible packaging industries for quality control.



Overview

Precision Gas Permeation Testing

This Gas Transmission Rate (GTR) tester is an essential instrument for measuring the gas permeability of diverse packaging materials, including plastic films, sheets, laminates, and metal foils. Designed for high-precision quality control in food, pharmaceutical, and flexible packaging industries, it ensures materials meet critical barrier requirements. The system utilizes a differential pressure method to accurately monitor gas permeation, providing reliable data for research and industrial compliance.

Technical Specifications

Standard Measuring Range

0.02 cm³/m²-day

Min Range

5000 cm³/m²-day

Max Range

Expanded Measuring Range

0.2 cm³/m²-day

Min Range

50000 cm³/m²-day

Max Range

Measuring Accuracy

0.01 cm³/m²-day

Standards & Compliance

Supported Standards

ISO 2556-2001, ISO 15105-1, GB/T 1038-2000, ASTM D1434-82(2003), YBB00082003

Applications

Target Industries

- Food Industry
- Pharmaceutical Industry
- Flexible Packaging Materials
- Research & Universities
- Quality Control Institutions

Compatible Materials

Plastic Film • Barrier Materials • Sheets • Metal Aluminum • PVC Sheets