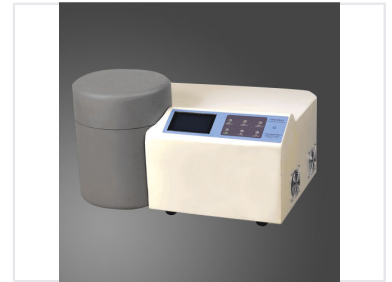


Gas Permeability Tester for Aluminum Foil

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



Overview

Precision Gas Permeability Testing

The N500 Gas Permeability Tester is a specialized instrument designed to measure the gas transmission rate (GTR) of packaging materials, including aluminum foil, plastic films, and barrier sheets. By utilizing a differential pressure method, this device accurately monitors gas permeation for substances such as O₂, CO₂, and N₂. It is an essential tool for quality control and research in the food, pharmaceutical, and flexible packaging industries.

Performance Metrics

Standard Measuring Range

0.02 cm³/m²-day

Lower Limit

5000 cm³/m²-day

Upper Limit

Extended Measuring Range

0.2 cm³/m²-day

Lower Limit (Extended)

50000 cm³/m²-day

Upper Limit (Extended)

Measuring Accuracy

0.01 cm³/m²-day

Compliance & Standards

Supported Standards

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

Applications

Industry Applications

- Food Industry
- Pharmaceutical Industry
- Flexible Packaging Materials
- Plastic Film Manufacturing
- Barrier Materials Research
- Quality Control Institutions

Technical Details

Compatible Test Gases

O₂ • CO₂ • N₂