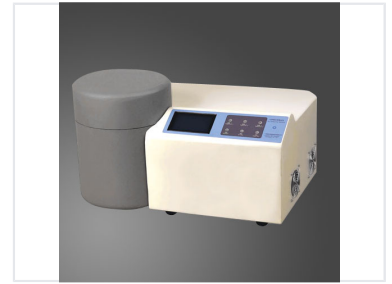


Gas Transmission Rate Analyzer

The gas transmission rate (GTR) analyzer tests the gas transmission rate of packaging materials. It is widely used in the food, pharmaceutical, and flexible packaging industries for materials like plastic film, barrier materials, sheets, and metal aluminum.



Product Overview

Precision Gas Permeation Testing

The N500 Gas Transmission Rate Analyzer is a professional-grade instrument designed for testing the gas permeability of diverse packaging materials, including plastic films, barrier materials, and metal foils. Utilizing the differential pressure method, it accurately measures the transmission rates of gases like O₂, CO₂, and N₂ to ensure quality control in the food and pharmaceutical packaging industries. This system is engineered for compliance with major international standards, providing reliable data for both research institutions and industrial quality assurance.

Performance Metrics

Standard Measuring Range

0.02 cm³/m²-day

Lower Limit

5000 cm³/m²-day

Upper Limit

Expanded Measuring Range

0.2 cm³/m²-day

Lower Limit

50000 cm³/m²-day

Upper Limit

Measuring Accuracy

0.01 cm³/m²-day

Compliance & Standards

Regulatory Standards

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

Applications

Target Industries

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

Compatible Materials

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