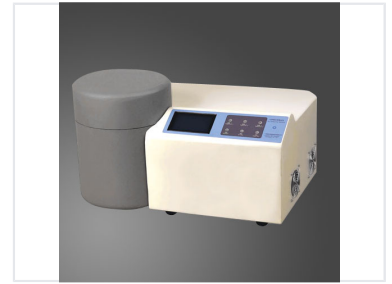


Nitrogen Gas Permeability Analyzer

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



ADDITIONAL IMAGES



Overview

Precision Gas Permeability Testing

This Nitrogen Gas Permeability Analyzer is engineered to accurately measure the gas transmission rate (GTR) of various packaging materials, including plastic films, laminates, and barrier sheets. It utilizes the differential pressure method to provide reliable data for quality control and research in the food, pharmaceutical, and flexible packaging industries. With support for multiple international standards, this instrument ensures consistent and reproducible barrier property analysis.

Technical Specifications

Measuring Range (Standard)

0.02 cm³/m²-day
Min Range

5000 cm³/m²-day
Max Range

Measuring Range (Expanded)

0.2 cm³/m²-day
Min Range

50000 cm³/m²-day
Max Range

Measuring Accuracy

0.01 cm³/m²-day

Compliance & Standards

Supported International Standards

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

Applications

Compatible Materials

- Plastic film
- Barrier materials
- Sheets
- Metal aluminum
- PVC sheets
- Laminates
- Co-extrusions

Target Industries

Food Packaging • Pharmaceutical Industry • Flexible Packaging • Research & Quality Institutions