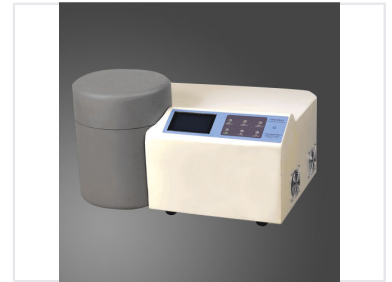


Gas Permeation Analyzer

The gas permeation analyzer tests the gas transmission rate (GTR) of packaging material. It is widely used in the food, pharmaceutical, and flexible packaging materials industries.



ADDITIONAL IMAGES



Product Overview

Precision Gas Permeation Analysis

The N500 Gas Permeation Analyzer is a professional-grade instrument designed to measure the gas transmission rate (GTR) of various packaging materials, including plastic films, barrier materials, and sheets. It utilizes a differential pressure method to accurately test gases such as O₂, CO₂, and N₂, providing essential data for quality control and research. With its robust, modular design and advanced sensor technology, this analyzer ensures reliable performance for industries ranging from food and pharmaceuticals to flexible packaging.

Performance Metrics

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 Standards

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

Industry Applications

Industries Served

- Food Industry
- Pharmaceutical Industry
- Flexible Packaging Materials
- Automotive
- Electronics
- Research & Quality Institutions

Technical Features

Key Features

Touchscreen Interface • Automated Protocols • Data Logging • Temperature Control • Three Independent Cells

Methodology

Differential Pressure Method