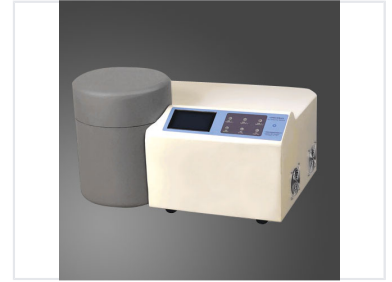


# Gas Permeation Analyzer

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 O<sub>2</sub>, CO<sub>2</sub>, and N<sub>2</sub>, 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 cm<sup>3</sup>/m<sup>2</sup>-day**  
Min Range

**5000 cm<sup>3</sup>/m<sup>2</sup>-day**  
Max Range

### Measuring Range (Expanded)

**0.2 cm<sup>3</sup>/m<sup>2</sup>-day**  
Min Range

**50000 cm<sup>3</sup>/m<sup>2</sup>-day**  
Max Range

### Measuring Accuracy

0.01 cm<sup>3</sup>/m<sup>2</sup>-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