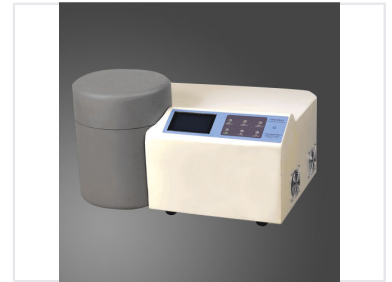


# Gas Permeability Tester for Aluminum Foil

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

Lower Limit

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

Upper Limit

### Extended Measuring Range

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

Lower Limit (Extended)

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

Upper Limit (Extended)

### 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 (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

O<sub>2</sub> • CO<sub>2</sub> • N<sub>2</sub>