

Water Vapor Transmission Rate Tester

The water vapor transmission rate tester measures the WVTR of packaging materials. It is used in the food, pharmaceutical, and flexible packaging industries for quality control.



ADDITIONAL IMAGES



Overview

Precision Water Vapor Transmission Rate Testing

This high-precision instrument is designed to accurately measure the water vapor transmission rate (WVTR) of various packaging materials, including plastic films, barrier materials, sheets, and metal aluminum. Utilizing the weight reduction method, it provides consistent and reliable results under regulated temperature and humidity conditions. It is an essential tool for quality control and research in the food, pharmaceutical, and flexible packaging industries.

Technical Specifications

Measurement Unit	g/m ² ·24h
Testing Principle	Weight reduction method
Supported Standards	GB 1037-1988, GB/T 16928-1997, ASTM E96-00e1, ASTM D1653-03, TAPPI T464, ISO 2528

Key Features

Instrument Capabilities

- Independent temperature and humidity control per chamber
- High-resolution sensor system for humidity detection
- Integrated control panel with digital display
- Data logging and reporting capabilities
- Multiple testing chambers for simultaneous analysis

Applications

Industry Applications

Food Industry • Pharmaceutical Industry • Flexible Packaging • Textiles • Research & Development

Compatible Materials

- Plastic films
- Barrier materials
- PVC sheets
- Metal aluminum
- Textiles