

Water Vapor Transmission Rate Tester

The water vapor permeation tester determines the water vapor transmission rate (WVTR) of packaging materials. It is widely applicable in the food, pharmaceutical, and flexible packaging industries for evaluating plastic films, barrier materials, sheets, and metal aluminum.



ADDITIONAL IMAGES



Overview

Precision WVTR Testing

This Water Vapor Transmission Rate (WVTR) tester is designed for high-accuracy evaluation of packaging materials, including plastic films, barrier materials, sheets, metal aluminum, and PVC sheets. Utilizing the weight reduction method, it measures vapor permeability under regulated temperature and humidity conditions to ensure quality control. It is an essential tool for research and production environments in the food, pharmaceutical, and flexible packaging industries.

Standards & Compliance

Supported Standards

GB 1037-1988, GB/T 16928-1997, ASTM E96-00e1, ASTM D1653-03, TAPPI T464, ISO 2528

Technical Specifications

Target Industries

- Food Industry
- Pharmaceutical Industry
- Flexible Packaging
- Quality Institutions
- Academic Research

Compatible Materials

- Plastic Films
- Barrier Materials
- Sheets
- Metal Aluminum
- PVC Sheets

Measurement Unit

g/m²·24h

Working Principle

Weighting method (weight reduction)