

Water Vapor Transmission Rate Tester

Water Vapor permeation tester measures the water vapor transmission rate (WVTR) of packaging material. It is widely used in the food, pharmaceutical, and flexible packaging materials industries.



ADDITIONAL IMAGES



Product Overview

Precision Moisture Barrier Testing

The W301 Water Vapor Transmission Rate (WVTR) Tester is a specialized laboratory instrument designed to accurately measure the moisture permeability of various packaging materials. Utilizing the weight reduction method, it provides critical quality control data for the food, pharmaceutical, and cosmetic industries. This system ensures consistent, reliable performance for testing plastic films, barrier materials, and sheets against international standards.

Technical Specifications

Working Principle	Weight reduction method (gravimetric)
Measurement Unit	$\text{g/m}^2\cdot 24\text{h}$

Compliance & Standards

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

Target Industries

Food Industry • Pharmaceuticals • Cosmetics • Flexible Packaging • Research & Education

Compatible Materials

- Plastic film
- Barrier materials
- Sheets
- Metal aluminum
- PVC
- PVC sheets