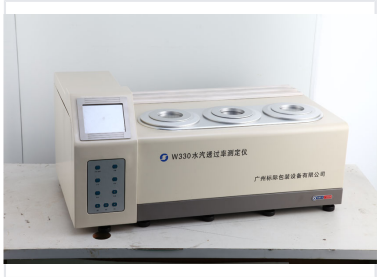
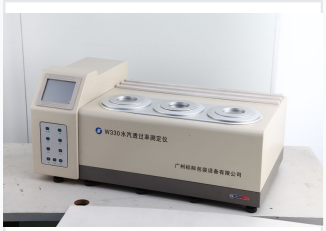
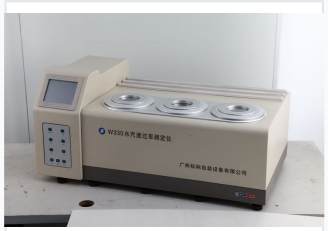
Water Vapor Transmission Rate Tester

The Water Vapor Transmission Rate Tester measures the water vapor transmission rate (WVTR) of packaging materials. It is widely used in the food, pharmaceutical, and flexible packaging industries.



ADDITIONAL IMAGES





Overview

Precision Moisture Barrier Analysis

This Water Vapor Transmission Rate (WVTR) tester is a professional-grade instrument designed to evaluate the moisture permeability of various packaging materials. Utilizing a precision weighing method, it accurately determines the rate at which water vapor passes through films, sheets, and barrier materials under controlled environmental conditions. It is an essential tool for quality control and R&D in the food, pharmaceutical, and flexible packaging industries.

Technical Specifications

Testing Principle	Weighting method (weight reduction)
Measurement Unit	$g/m^2 \cdot 24h$

Compliance & Standards

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

Applications

Target Industries

Food Industry • Pharmaceutical • Flexible Packaging • Cosmetics • Research & Quality Institutions

Testable Materials

- Plastic films
- Composite films
- Aluminum foil
- Barrier materials
- PVC sheets
- Coated films

Key Features

Performance Features

2 count
Test Chambers