

Water Vapor Transmission Rate Tester

The water vapor transmission rate tester measures the rate at which water vapor permeates through materials. It is used for quality control and research in industries such as packaging, pharmaceuticals, and food processing.



ADDITIONAL IMAGES



Overview

Water Vapor Transmission Rate Tester

This advanced testing instrument is specifically designed to measure the water vapor transmission rate (WVTR) of packaging materials, including plastic films, sheets, and barrier materials. Utilizing the weight reduction method, the device provides accurate, repeatable results under regulated temperature and humidity conditions. It is an essential tool for quality control and research within the food, pharmaceutical, and flexible packaging industries.

Technical Standards

Certified Standards

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

Performance Metrics

Core Capabilities

- Multiple testing chambers for simultaneous sample analysis
- High-precision temperature and humidity control system
- Digital touchscreen interface for real-time monitoring
- Weight reduction measurement principle

Application Scope

Industries Served

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

Measurement Specifications

WVTR Measurement Unit

g/m²·24h