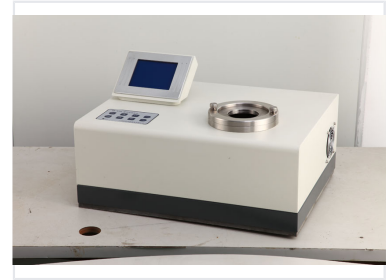
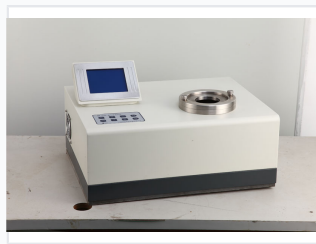


Oxygen Transmission Rate Tester

The oxygen permeation tester is designed to measure the oxygen transmission rate of packaging materials, films, and containers. This instrument provides accurate data for quality control and research, with precise temperature and humidity control.



ADDITIONAL IMAGES



Product Overview

High-Precision Oxygen Barrier Analysis

The Y201D Oxygen Transmission Rate Tester is a specialized instrument designed for measuring the oxygen permeation rates of high-barrier materials, including films, sheets, solar boards, and compound materials. By utilizing coulometry theory and high-precision sensors, it provides accurate data for quality control in the food, pharmaceutical, and flexible packaging industries. The system supports testing for both flat materials and finished containers, ensuring compliance with rigorous international standards.

Technical Standards

Compliant Standards

GB/T 19789-2005, ASTM D 3985-1995, ASTM F 1927-1998, ASTM F 1307-1990, YBB00082003, ISO 15105-2003, DIN 53380-3-1998, JIS K-7126

Performance

OTR Measurement Units

- $\text{cm}^3 / (\text{m}^2 \cdot 24\text{h})$
- ppm

Applications

Target Industries

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

Testable Materials

- High barrier materials
- Sheets
- Solar boards
- Compound materials
- PVC
- Rubber
- Paper
- Glass
- Metal
- Bottles
- Blood bags