

Oxygen Transmission Rate Tester

The oxygen permeation tester measures the oxygen transmission rate (OTR) of barrier materials, sheets, and films. It tests materials such as solar board, compound materials, PVC, rubber, paper, glass, and metal.



ADDITIONAL IMAGES



Product Overview

High-Precision Oxygen Permeation Testing

The Y201D Oxygen Transmission Rate Tester is a professional-grade instrument designed to measure the oxygen permeation rate (OTR) of various materials including films, sheets, and finished packaging containers. Utilizing the Coulometry theory and high-precision sensors, it ensures accurate quality control for industries such as food, pharmaceuticals, and flexible packaging. This versatile device supports a wide range of international standards, making it an essential tool for R&D and quality assurance laboratories.

Technical Specifications

Testing Principle	Coulometry theory
OTR Units	cm ³ /(m ² ·24h), ppm

Applications

Suitable Industries

- Food Industry
- Pharmaceutical Industry
- Cosmetics
- Flexible Packaging
- Academic & Research Institutions

Compatible Materials

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

Compliance & Standards

Supported 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