

Oxygen Permeation Tester

The Y201D oxygen permeation tester determines the oxygen transmission rate (OTR) of high barrier materials, sheets, and compound materials. It is suitable for testing PVC, rubber, paper, glass, metal, bottles, and blood bags.



Overview

High-Precision Oxygen Permeation Testing

The Oxygen Permeation Tester is a professional-grade instrument designed to measure the oxygen transmission rate (OTR) of high-barrier materials, including flexible packaging, bottles, and medical containers. By utilizing advanced Coulometry theory and high-precision sensors, it delivers accurate analysis for quality control and research applications. This device is essential for industries requiring rigorous barrier performance validation, such as food, pharmaceutical, and cosmetic packaging.

Technical Specifications

Testing Principle	Coulometry (Coulometric Sensor Method)
OTR Measurement Units	cm ³ /m ² ·24h, ppm

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

Applications

Compatible Materials

Plastic Films • Sheets • Solar Boards • Compound Materials • PVC • Rubber • Paper • Glass • Metal • Bottles • Blood Bags

Target Industries

- Food Industry
- Pharmaceutical Industry
- Cosmetics
- Flexible Packaging
- Research & Academia
- Quality Control Institutions