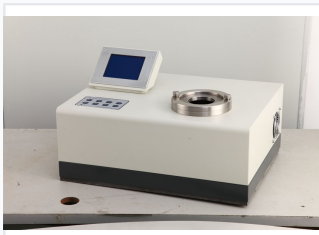


Oxygen Transmission Rate Analyzer

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



ADDITIONAL IMAGES



Overview

High-Precision Oxygen Permeation Testing

The Oxygen Transmission Rate Analyzer is a professional-grade instrument designed to measure the oxygen permeation rate (OTR) of high-barrier materials, including films, sheets, and finished packaging containers. Utilizing advanced Coulometry theory and high-precision sensors, it provides accurate and reliable data essential for quality control in the food, pharmaceutical, and flexible packaging industries. The system supports testing for a diverse range of materials such as PVC, rubber, paper, glass, and metal, ensuring product integrity and shelf-life optimization.

Standards & Compliance

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

Technical Details

Supported OTR Units

- cm³ / (m²·24h)
- ppm

Working Principle

Coulometry theory using high-precision oxygen sensors

Applications

Target Industries

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

Compatible Materials

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