

## Y310 2.0 Oxygen Permeability Analyzer



### Introduction

This product is based on the test principle of the Coulomb oxygen analysis sensor and is designed and manufactured with reference to the ASTM D 3985 standard. It is used to determine the oxygen transmission rate (quantity) of film or sheet materials.

Apply for:

- 1) Plastic film, composite film, aluminum foil, aluminized film, etc.;
- 2) Plastic sheets, plates, rubber, ceramics, etc.;
- 3) Packaging containers, such as bottles, bags, bowls, etc.;
- 4) Expand applications, such as solar backplanes, liquid crystal display films, medical patches, etc.

Used in quality inspection, drug inspection, scientific research, packaging, film, food, pharmaceutical, daily chemical, electronics and other industries.

### Features

#### Accurate and reliable data

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- ◆ Our company has approved and issued by the "General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China". Gas Permeability Tester "National Standard Material Classification Certificate" and "National Standard Material" Manufacturing Measuring Instruments License (GBW(E)130541/ 2). Use national standard materials to calibrate and verify the instrument to ensure the accuracy, versatility and authority of the test data.

### **Easy to operate**

- ◆ Professional software with simple interface, easy to use and flexibly to set test process.
- ◆ Fully automatic operation, judge and stop automatically.
- ◆ Five sets of curves of temperature, upper cavity pressure, lower cavity pressure, pressure difference change, and penetration are displayed in real time. The curves with conceal function, support query function for background data.
- ◆ The OTR is equipped with a color touch screen, no external computer is needed.
- ◆ Pneumatic clamps are used for sample placement, which is quick and convenient to operate.
- ◆ Professional test report, automatically generate and can be exported in PDF format.

### **Advanced technology**

- ◆ Temperature control: Adopting the international advanced electromagnetic program stepping temperature control technology, automatic heating and cooling; high measurement accuracy, accurate to 0.1 °C
- ◆ Support electronic signature function, online report submission and review.

### **High test efficiency**

- ◆ Each cavity can be tested independently, three identical or different samples can be tested, and three independent test reports can be produced to improve the effective test efficiency.

- ◆ The measurement accuracy is up to 0.001 cm<sup>3</sup>/(m<sup>2</sup>·24h), and it can measure high-barrier materials such as aluminum foil.

### Authority management and data tracking

- ◆ The software is designed according to the requirements of the computerized system in the new GMP appendix.
- ◆ The user name and password are required to log in to the workstation to ensure that the account and experimental data are safe and effective.
- ◆ Users are divided into system administrator, instrument administrator, auditor and operator.
- ◆ The system administrator can adjust the permissions of various levels; Such as adding and reducing system control items at a certain level.
- ◆ It has audit tracking function (test tracking and log tracking), and each data change is recorded; Ensure the safety and integrity of test data.

### Stable, reliable and easy to maintain

- ◆ Imported oxygen sensor with high accuracy and good stability.
- ◆ The sensor has an over-range automatic protection function to avoid damage to important sensors when the instrument fails
- ◆ Functional modular design, easy to maintain.

### Standard

ASTM D3985、ASTM F2622、ASTM F1927、ASTM F1037、ISO 15105-2、JIS K-7126-B、DIN 53380-3。

### Technical Specification

Items	Technical Parameters
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Testing range	0.05~1000 cm <sup>3</sup> / (m <sup>2</sup> ·24h) (Max. 260000cm <sup>3</sup> / (m <sup>2</sup> ·24h·0.1MPa) can be measured through customized Clamp)
Testing accuracy	0.001 cm <sup>3</sup> / (m <sup>2</sup> ·24h)
Testing temperature	15~45□
Temperature precision	±0.1□
Test area	50.24 cm <sup>2</sup>
Sample size	Φ100 mm
Sample thickness	≤3mm
Number of samples	1~3 pcs
Carrier gas	99.999% nitrogen (provided by the user)
Carrier gas pressure	≥0.1MPa
Carrier gas flow	5~100 mL/min
Pneumatic pressure	≥0.3MPa
Power	750W
Power supply	AC 220V, 50Hz

**Guangzhou Biaoji Packaging Equipment Co., Ltd.** is a high-tech service enterprise with independent intellectual property rights. The company specializes in the R&D, production, sales and service of packaging testing instruments and software, and has provided the most competitive laboratory construction program for more than 10,000 enterprises and institutions in more than 40 countries and regions around the world. The service covers the fields of national quality inspection and drug inspection institutions, scientific research institutions, packaging, printing, food, medicine, daily chemical products, chemicals, new energy, new materials and so on.

## Service & Support

- ◆ Provide free packaging inspection technical support.
- ◆ One-year instrument warranty, free software upgrade service, free lifetime technical support.

- ◆ Free to come to the factory to train equipment operation, qualified candidates will be awarded a diploma, and free board and lodging will be provided.
- ◆ The policy of “replace the old for the new” instrument, and provide a backup instrument for use in case of failure.
- ◆ Set up a testing center (CNAS L8185) to provide customers with sample testing and sample data comparison services.
- ◆ Set up a standard material development center to provide customers with instrument calibration services.
- ◆ Service hotline: 4007886855/QQ: 3413560795.



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