KASON-OPT200 Oxygen Permeability Tester

Image for reference only.

Instrument Introduction:

Designed based on the coulometric method, this instrument can test the O2 permeability of various flexible packaging materials (including films, bags, plastic sheets, plastic bottles/cans, containers, metal cans, etc.) ranging from low to high barrier properties. It conforms to standards such as GB/T 19789-2005, ASTM D 3985-1995, ASTM F 1927-1998, ASTM F 1307-1990, YBB00082003, ISO 15105-2:2003, DIN 53380-3-1998, and JIS K-7126.

Product Features

1. Internationally advanced electromagnetic temperature control technology; programmable step-by-step control allows for precise temperature rise and fall without external accessories; temperature control accuracy is down to 0.01℃.

2. Humidity control employs a dual-airflow humidity control method, offering a wide humidity control range, high accuracy, and stable humidity flow, avoiding the drawbacks of bulky and prone to malfunctions associated with external humidity generators.

3. The instrument features both standard gas calibration and standard

membrane calibration, ensuring internationally advanced testing accuracy.

4. Automatic judgment and automatic shutdown.

5. Automatic leakage protection function.

6. Simple software operation; fully automatic testing process; automatic recording and continuous display of parameters such as transmittance, oxygen concentration, humidity, and temperature curves. It can monitor the interaction between parameters and the testing process.

7. Modular functions; testing, baseline, and calibration functions are independent, providing excellent data analysis capabilities and convenient operation.

8. With the addition of test fixtures, it can test high-permeability irregularly shaped membranes (such as contact lenses).

9. With enhanced dedicated accessories, it can test the oxygen transmittance of packaging bags and bottles. Configuration: One main unit, one computer, one set of testing software, one sample cutter, 5m of 1/8-inch copper tubing. User-supplied: One cylinder of 99.999% high-purity oxygen gas, one pressure reducing valve.

Technical Parameters:

1. Measurement Range: 0.02 ~ 100000 ml/㎡/day

2. Temperature Range: 5℃~50℃

3. Humidity Range: Dryness = 0%RH, Humidity = 5~95%RH

4. Pressure: 0.2 ~ 0.3MPa

5. Carrier Gas Inlet: 1/8 inch

6. Sample Thickness: ≤2mm

7. Sample Area: 50cm²

8. Power Supply: AC 220V, 50HZ

9. Dimensions: 600mm x 550mm x 360mm

FOCUS IN MATERIAL TEST

KASONTEST®

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