

# W201 Water Vapor Permeability Analyzer



## Function

W201 Water Vapor Permeability Analyzer with electrolytic sensor method is for the water vapor transmission rate analysis of plastic film, composite film, sheet, metal foil and plastic, rubber, glass, bottle, bags, cans, boxes and other packaging containers.



## Features

- Easy to use: can set the parameters, display the testing curve and report. The machine is with operation system, can operate independently(without computer).
- Temperature control: adopt international advanced electromagnetic temperature control technology, and the program stepping controlling system can control temperature elevating freely, without external accessories, temperature control precision accurate to 0.1 °C.
- RH control: with double gas flow RH method control, with high precision.
- Sensor automatic protection
- Real time curves display of transmission rate, water vapour concentration, temperature and humidity; curves can be easily zoomed and moved.
- Precise enough to test high barrier materials like aluminum foil.
- Test either flat films or finished packages.



ASTM E398-2013

BS EN ISO 15106-3-2005

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DIN 53122-2



## Technical Specification

Items	Technical Parameters
Measurement range	0.001~100g/ (m <sup>2</sup> · 24h)
Resolution ratio	0.001g/(m <sup>2</sup> · 24h) (film and sheet)
Temperature control accuracy	15°C~45°C (5~55°C optional)
Temperature control accuracy	±0.1°C
Humidity control range	0%RH, 30~95%RH
Humidity control accuracy	±1%RH
Number of testing specimen	1 piece
Specimen dimension	Φ100mm, permeability area 50.24cm <sup>2</sup> ,
Specimen thickness	≤2mm
Carrier gas	99.999% Nitrogen
Carrier gas pressure	≥0.1Mpa



## Configuration

Main machine body, software, communication cable, Φ100 sample cutter, 1/8 inch copper tube, sealing grease, clip connector, water injector, spanner, standard test plate, mouse



## Users owned

User provide: nitrogen (99.999%), pressure releasing valve, computer  
 Optional (for purchase): test accessory, standard film, sealing grease, special clips, pressure releasing valve, computer