W301 & 303 Water Vapor Permeability Analyzer

Function

Designed with the principle of gravimetric method, use weight reduction method to test the water vapor transmission rate (WVTR) of packaging material,used in food industry, pharmaceutical industry, cosmetics, flexible packaging materials industry, university and inspection institutions. Computer automatic testing, controls temperature, humidity, recording temperature, humidity, weight, transmission rate curve, automatically judges at the end of test .

W301

W303

Features

· Work independently by touch screen.
· High-precision sensors with over-range protection, continuous data collection, accurate and reliable data.
· Temperature system uses electronic technology intermittence control, highly precise.
· Uses the wet and dry gas ratio control humidity.
· Simple operation, with the function of parameter setting and error automatic correction function.
· Parameter coded lock: automatically lock the parameter while testing.
· Software real-time display each curve state: temperature, humidity, weight, permeation rate. With function of data storage, convenient for analysis the experimental results.
· Can be connected to computer through serial port; can export professional test report as Office Word or PDF.

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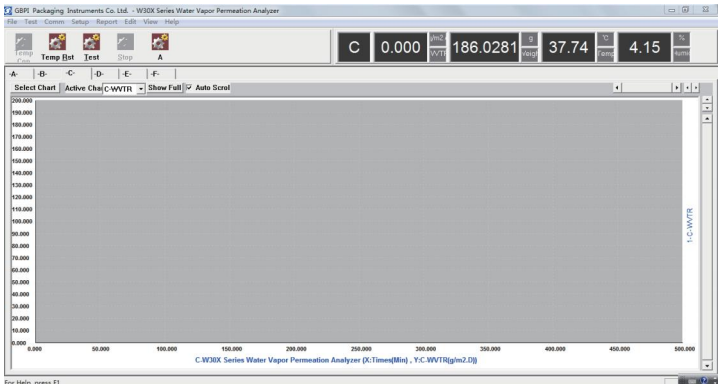
Technical Specification

Items	W301	W303
Chamber	1	3
WVTR Test Range	0.01~10000 g/ m^2 · 24h	
Resolution ratio	0.001 g/ m^2 · 24h℃	
Test Temperature range	15℃~45℃	10℃~50℃
Test Temperature accuracy	±0.1℃	
Humidity range	dry method: 0~20%RH (optional: dual gas flow method: 30~90%RH)	
Humidity accuracy	±2%RH	
Test Sample thickness	≤2mm	
Test Sample Area	Φ90mm ,transmission area 50.24cm^2	
Sample qty	1piece	3piece
Power supply	AC 220V/50Hz	

Configuration

Mainframe, software, communication cable, sample cutter (Φ90mm), calibration weight (200g), permeation dish, desiccant, spanner, mouse
Optional Accessories for testing packaging containers, standard film, dual gas flow humidity controlling device, computer

Software Interface



Standards

- ASTM E96
- ASTM D1653
- GB/T 1037
- GB/T 16928
- ISO 2528
- YBB 00092003
- TAPPI T464
- DIN 53122-1
- JIS Z0208