

N530 Gas Permeability Analyzer

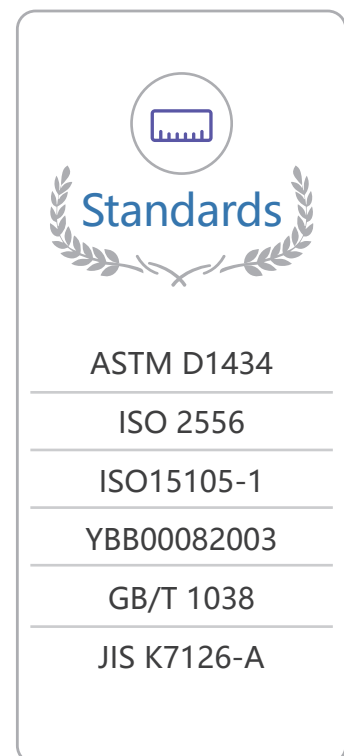


Features

- Three chambers can work independently at the same time for three different samples.
- Professional pressure sensor, precise and stable.
- Fully automatic test; auto judgment and auto stop.
- First one in the world that can automatically keep pressure difference
- The sample can be tested by single cell, or double cells or three cells .
- Adaptable to environment, not affected by environment temperature.
- Temperature control: International advanced electromagnetic technology, program controlled, automatic temperature rise and fall, speed adjustable. Precision 0.01°C.
- Applicable to high barrier, middle barrier and low barrier material; precise enough to test high barrier material like aluminum foil.
- Real time curves display of transmission rate, pressure, pressure difference and temperature, curves can be easily zoomed and moved.
- Adaptable to environment, not affected by environment temperature.
- Modularized design can run for a long time, with auto over pressure protection function.
- By adding adaptive accessory, can expand upper limit of test range to 600000 $\text{cm}^3/\text{m}^2 \cdot 24\text{h} \cdot 0.1\text{MPa}$.
- Modularized design can run for a long time, with auto over pressure protection function.
- Professional software with simple interface, easy to use and convenient to set test process.
- Real time curves display of transmission rate, pressure, pressure difference and temperature, curves can be easily zoomed and moved.
- Standard film calibration and pressure calibration.
- Professional test report; can be exported as Office Word or PDF.

Function

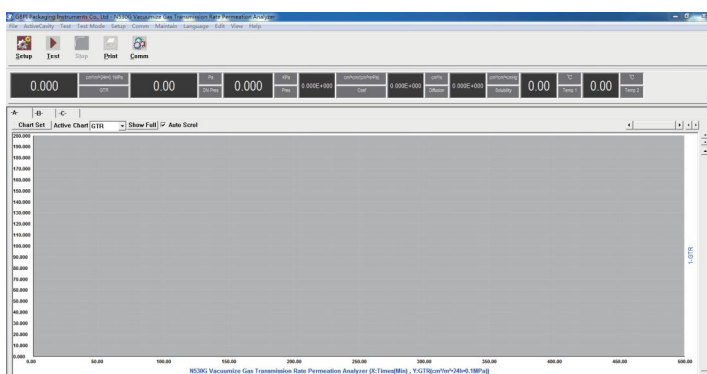
N530 for the detection of gas permeability of various films, infusion bags and other packaging materials for O₂, CO₂, N₂ and other Non-inflammable gas and non-corrosive gases through the barrier properties. It has three independent testing chambers and independent temperature control systems. The core is connected with computer through the USB. It can automatically judge and stop testing. The testing result is stable, curves of permeability rate ,temperature, pressure and pressure difference will be shown at the same time. The test report will generate automatically while the data automatically stored. It also support TCP/IP protocol. There are three measuring range that can be enlarged.



Technical Specification

Items	Technical Parameters
Measuring range	0.02~50000 cm ³ / (m ² •24h•0.1MPa) 通过扩充体积上限可测试 600000 cm ³ / (m ² •24h•0.1MPa)
Measuring accuracy	0.001 cm ³ / (m ² •24h•0.1MPa)
Testing temperature range	15 ~ 60°C
Temperature precision	±0.1°C
Controlled RH accuracy	±2%RH
Vacuum resolution	0.01Pa
Vacuum degree	<20Pa
Sample number	3pcs
Sample thickness	≤2mm
Test gas	O ₂ 、CO ₂ 、N ₂ etc
Test pressure	-0.1 ~ +0.1MPa
Sample area	Φ110mm
Test area	50.24cm ²
Dimension	800mmx560mmx400mm
Power supply	220V AC, 50HZ

Software Interface



Configuration

Main machine body, software, Φ110 sample cutter, 1/8 inch copper tube, sealing grease, gas pipe connector, filter paper, spanner, communication cable

Users owned

Nitrogen (99.999%), oxygen (99.999%), carbon dioxide (99.999%), pressure releasing valve, computer, vacuum pump