

N500 Gas Permeability Analyzer



Function

Model N500 Gas permeation tester tests the is widely used in food industry, pharmaceutical industry, cosmetics flexible packaging materials industry (plastic film, barrier materials, sheets, metal aluminum, PVC, PVC sheets), college, university and quality institution for gas(O₂, CO₂, N₂, Non-inflammable gas and non-corrosive gases.)permeation test and quality control.



Features

- Adopt internationally advanced method pressure differential method as working principle.
- It can test high barrier material, for instance aluminum foil, ceramic and etc.
- Automatic test, user friendly, non-maintenance design;
- Two test mode of high barrier material and low barrier material, wide measurement range, high precision ;
- Superior components, accurate test result, high stability;
- Automatically increase and decrease temperature, no special requirements to the environment;
- All parameters display on the real time;
- Multi-level security protection design, excellent performance , and sustainable operation;
- It can calibrate by standard film and pressure



Standards

ASTM D1434

ISO 2556

ISO15105-1

YBB00082003

GB/T 1038

JIS K7126-A

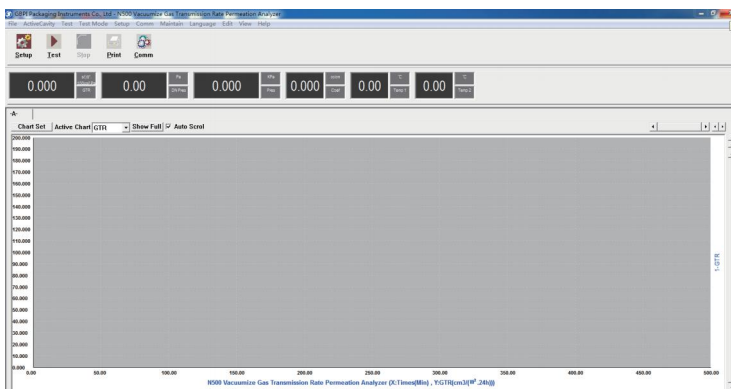


Technical Specification

Items	Technical Parameters
Measuring range	0.02~50000cm ³ /m ² · day · 0.1Mpa 0.02~600000 cm ³ /m ² · day · 0.1Mpa(by use expansion the mode)
Measuring accuracy	0.01 cm ³ / (m ² · 24h · 0.1Mpa)
Testing temperature range	15 ~ 60°C
Temperature precision	±0.01°C
Humidity Range	0%RH, 30~90%RH, 100%RH
Controlled RH accuracy	±2%RH
Vacuum resolution	0.1Pa
Vacuum degree	<20Pa
Gas Pressuer	-0.1~+0.1MPa
Test pressure	O ₂ 、CO ₂ 、N ₂ etc.
Sample thickness	≤2mm
Gas source pressure	0.2 ~ 0.8MPa
Sample area	Φ110mm
Power supply	220V AC, 50HZ



Software Interface



Configuration

Main machine body, software, 110 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.