

Product Information

HTZ 022 Water Vapor Permeability Tester



Application : Water Vapor Permeability Tester is based on the infrared sensor method and available for the water vapor permeability test of flexible films, sheeting and packages. It can test 3 specimens in one operation with independent results.

Films: Plastic films, aluminum foil, aluminized films, plastic composite films, paper-plastic composite films, coextruded films, aluminum foil composite films and many others.

Packages: Plastic, rubber, paper, paper-plastic composite, glass and metal packages, e.g. red wine bottles, blister, various plastic bottles, Coke bottles, peanut oil packages, Tetra Pak materials, vacuum bags, metal three-piece cans, plastic packages for cosmetic, soft tubes for toothpaste, jelly and yogurt cups.

Technical indexes

Test range:

Film: 0.005-42 g/m²·24h (Standard)
0.05-1000 g/m²·24h (Optional)

Resolution: 0.001 g/m²·24h

Package: (optional) 0.0001~0.3 g/pkg·d
Resolution: 0.00001g/pkg·d

Specimen amount: 3 specimens, independent

Temperature range: 5C – 95C

Temperature accuracy: ±0.1C

Humidity range: 0%RH,35%RH-90%RH,100%RH, standard condition 90%RH

Humidity accuracy: $\pm 1\%$ RH

Test area: 50cm²

Specimen size:

Film: size: $\geq 150\text{mm} \times 94\text{mm}$;

thickness: less 5mm Package:

max size: D120mm * 400mm

Carrier gas: 99.999% Nitrogen

Carrier flow: 0~200ml/min

Gas interface: 1/8inch

Power supply: AC 220V 50Hz

Dimension: 730mm(L) * 590mm(W) * 350mm(H)

Net weight: 56kg

Standard

ISO 15106-2, ASTM F1249, GB/T 26253-2010, TAPPI T557, JIS 7129

Configuration

Main unit, computer, W-TRANS software, temperature controller, tank regulator, PCIE card, cable, sample cutter, vacuum grease.

Optional:

Package fixtures, reference film, vacuum grease, sample cutter, DSM system.