

Summary:

Hydrostatic Pressure Tester, used for determining the resistance of fabrics (canvas, coated fabrics, cover cloth, rainproof clothing fabrics and geotextile materials) and films to water penetration under pressure while firmly clamped in the test rig of standard area, by means of dynamic test method and static test method. The bank is linked to a test head to which the specimen is clamped quickly and stably by means of a automatic clamp.

After starting the hydrostatic pressure test, the test pressure is automatically controlled; hydrostatic head test result and process is digitally displayed on LCD pane. The test specimen is observed visually for evidence of penetration by water. The test area is well illuminated and an unobstructed observation of the sample is from all sides greatly facilitates the visual drop detection.



Standards:

GB/T4744: Textiles - Testing and evaluation for water resistance Hydrostatic pressure method

FZT 01004: Coated fabrics - Determination of resistance to Penetration

AATCC 127: Water resistance - Hydrostatic pressure test

DIN 53886: Determination of resistance of textile fabrics to water penetration; hydrostatic pressure test

JIS L1092: Testing method for water resistance of textiles

ETC...

Features:

1. Gas pressurized: pressurizing speed uniformly faster response, without limitation stroke
2. Test results are automatically grade evaluation
3. Pneumatic clamp sample, convenient, fast, stable and consistent
4. Free angle of enhanced lighting system, users can easily observe the condition of the sample test
5. There is constant pressure warning function, reduce experimental observation time
6. Using industrial-grade processor precise process control
7. High-precision 16-bit AD converter chip collecting real pressure
8. 7-inch color touch-screen display control, the English menu, the system is free to set the time
9. Built-three kinds of testing methods, the greatest extent to meet the different requirements of the standard test
10. A variety of pressure units (Pa, Kpa, mmH₂O, mmHg) may be free to switch, and provides the unit conversion table for the query, which can meet different national standards.

Specifications:

Model	NG-311-5	NG-311-20
Measurement range	500Pa~50KPa	500Pa~2000KPa
Rate of water pressure rise	1KPa~20KPa/min adjustable	1KPa~30KPa/min adjustable
Display accurate	≤10Pa	
Accuracy	≤±0.2%FS	
Working mode	4	
Test Head Area	100cm ²	
Display	Touch Screen Controller	
Weight	60kg	
Power	AC220V, 50Hz	