Automatic Air Permeability Tester Of Textile Fabrics GT-C27

Application:
Air Permeability Tester is used to test the air permeability of textile fabrics, various woven fabrics, knitted fabrics, non-woven fabrics, industrial filter materials etc.

Standards:

GB/T 5453, GB/T 13764, ISO 9237, ISO 7231, ISO 5636, BS 5636, ASTM D737, DIN 53887, JISL1096, AFNORG 07-111, EDANA140.1, ISO 9073-15

Feature of air permeability tester

- High precision import pressure and pressure differential sensor to ensuring the accuracy of data.
- Microcomputer processing without manual calculation and the test result can displayed directly.
- Air Permeability Testing Machine equipped with thermal printer to print the experiment result.
- Built-in 7 testing units: mm/s、m3/m2.min、cm3/cm2.s、m3/m2.h, cfm, L/dm2.min, L/m2.s
- Touch Screen Control as well as operating by connect to the computer
- Testing arm was pneumatic controlled and can press and put up automatically
- Equipped with 11 nozzle with different calibers to meet different specimens.
- The air permeability tester can change the nozzle manually.

Key Specifications of air permeability tester

Model		GT-C27A					GT-C27B			
Operation display		PLC+Touch Screen					PLC+Touch Screen+PC Control			
Test method		Automatically								
Test time		10～15s								
Nozzle pressure difference		4,000Pa								
Specimen pressure difference		1,000Pa								
Data port		RS232C								
Permeability range		0.1～12000mm/s								
Measuring error		≤±2%								
Measuring unit		mm/s, cfm, cm3/cm2/s, l/m2/s, l/dm2/min, m3/m2/min								
Testing area		$5cm^2$, $20cm^2$, $50cm^2$, $100cm^2$, Φ50mm ($\approx19.6cm^2$), Φ70mm($\approx38.5cm^2$)								
Fabric thickness		≤12mm								
Nozzle parameter	Number	0	1	2	3	4	5	6	7	8	9
	Dia. mm	0.8	1.2	2	3	4	6	8	10	12	16
Power supply		AC 220V 50/60HZ, 2KW								
Dimensions		700 x 520 x 1100mm (L x W x H)								

Weight	93kg

Accessories

Model		GT-C27A	GT-C27B
Standard accessories	1Set	20cm^2 Test plate and fixture	20cm^2 Test plate and fixture
	1Set	38.5cm^2 Test plate and fixture	38.5cm^2 Test plate and fixture
	1Set	Standard calibration plate	Standard calibration plate
	1Set	Nozzle	Nozzle
	1pc	Power Line	Power Line
	1pc	/	Operation software
	1pc	/	Cable connect with PC
Optional accessories	Optional	Other Test plate and fixtures	Other Test plate and fixtures
	Optional	Air compressor	Air compressor
	Optional	/	Computer