

Product Presentation



Application

To test the air permeability of various woven fabrics, knitted fabrics, non-woven fabrics, industrial filter materials etc.



Feature

- 7-Inch Touch Screen Control as well as operating by connect to the computer
- Full range and automatic detection.
- Test head size can be automatically sense, and replacement is simple and convenient.
- Adopt USA SMI high-precision pressure and differential pressure transducer to accurate data.
- Variable hole test plate can be automatically cleaned to ensure accuracy.
- Equipped with thermal printer to print the experiment result.
- Microcomputer processing without manual calculation and the test result can displayed directly.
- Built-in 7 testing units: mm/s, m³/m².min, cm³/cm².s, m³/m².h, cfm, L/dm².min, L/m².s
- Testing arm is was pneumatic controlled and can press and put up automatically.
- Equipped with 11 nozzle with different calibers to meet different specimens.



Key Specification

Model		GT-C27B									
Operation display		Touch Screen									
Nozzle change 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		$\leq \pm 2\%$									
Measuring unit		mm/s, cfm, cm ³ /cm ² /s, l/m ² /s, l/dm ² /min, m ³ /m ² /min									
Testing area		5cm ² , 20cm ² , 50cm ² , 100cm ² , $\Phi 50\text{mm}$ ($\approx 19.6\text{cm}^2$), $\Phi 70\text{mm}$ ($\approx 38.3\text{cm}^2$)									
Fabric thickness		$\leq 12\text{mm}$									
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									



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

Accessories

Standard accessories	1Set	20cm ² Test plate and fixture
	1Set	38.3cm ² Test plate and fixture
	1Set	Standard calibration plate
	1Set	Nozzle
	1pc	Operation software
	1pc	Cable connect with PC
	1pc	Power Line
Optional accessories	Optional	Other Test plate and fixtures
	Optional	Computer
	Optional	Air compressor