

EY36 Air Permeability Tester

1 Product Description

The EY36 Air Permeability Tester is used for fast, simple, and accurate determination of the air permeability of all kinds of flat materials and of foam cubes. The measuring range covers dense papers and airbag fabrics as well as extremely open non-woven and forming fabrics.

EY36 configuration with android 4.1 operating system color tablets, multi-touch panel, simple and convenient operation, the test results can be saved to EXCEL, to generate the perfect test reports, also can connect Internet, send test data by Wifi.

EY36 design with reference to the Swiss TEXTEST FX3300, on the basis of FX3300 made many improvements, The test results completely consistent with TEXTEST FX3300

2 Technical Specifications

Measuring range:

0.4 – 750 cm ³ cm ² /s	5 cm ² test area
1 – 10,000 l/ m ² /s	20 cm ² test area
1 – 10,000 mm/s	20 cm ² test area
0.6 – 6,000 l/dm ² /min	20 cm ² test area
0.008 – 5 dm ³ /s	25 cm ² test area
0.1 – 1,300 cfm	38 cm ² test area
0.05 – 700 cm ³ /cm ² /s	38 cm ² test area
0.03 – 400 m ³ /m ² /min	38 cm ² test area
2 – 24,000 m ³ /m ² /h	38 cm ² test area
0.1 – 1,600 l/dm ² /min	100 cm ² test area

Unit : mm/s, ft³/ft²/min, cm³/cm²/s, l/m²/s, l/dm²/min, m³/m²/min, m³/m²/h, dm³/s, L/s, L/min, m³/h, cfm, ft³/min

Measuring accuracy: ± 2 % of the displayed value Test pressure: 10~ 2,500 Pa

Test head / test area: 20cm² (standard)
5, 25, 38, 50 and 100 cm² (optional)

Data port: Wifi

Power requirements: 195 ~250 V, 50/60 Hz, max. 1,100 W
85 ~130 V, 50/60 Hz, max. 1,100 W

Projection of clamping arm: 50 cm (20")

Sample thickness: 0 ... 10 mm (0 ... 0.4")

Dimensions (w x d x h): 40 x 92 x 110 cm

Table height: 85 cm

Net/gross weight: 60 / 75 kg



3 Testing standards

AFNOR G 07-111, ASTM D 737, ASTM D 3574, BS 5636, DIN 53887, EDANA 140.1, EN ISO 7231, EN ISO 9237, JIS L 1096-A, TAPPI T 251, GB/T5453, GB/T 22819-2008

4 Professional Technology

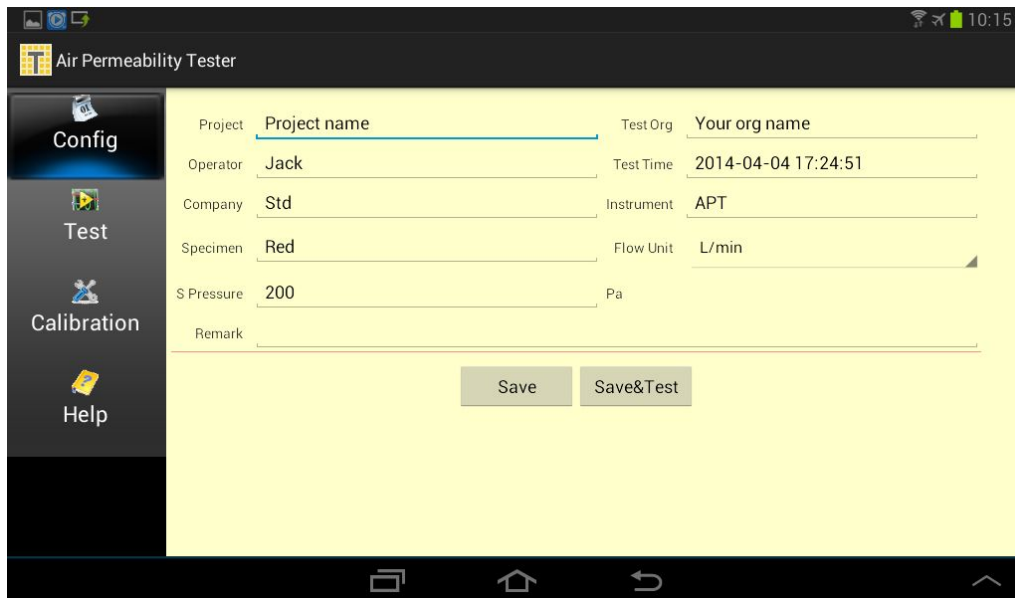
- 7-inch color screen, capacitive touch screen, multi-point touch Android4.0 operating system,easy Control,test results can be saved to Excel file,and can be sent via WIFI to anywhere, can also be saved to the SD card.
- Automatic test, according to the flow of fabric air permeability, automatic test choose the appropriate range.
- Automatic induction test head size, easy to change the test head.
- Unique to leak prevention design, air leakage is close to zero.

5 Test Principle

A specimen is clamped over the test head opening by pressing down the clamping arm which automatically starts the vacuum pump. The pre-selected test pressure is maintained, and after a few seconds the air permeability of the test specimen is displayed in the pre-selected unit of measure.

6 Control Pannal

EY36 is to use the samsung tablet with multi-touch interface, installation EY36 android applications, simple and convenient operation,Easy maintenance, test results can be sent to anywhere by network



Config interface



Test interface

7 Test report

EY36 test result can save as EXCEL format, through internet or SD card transmitted to the computer, easy to edit and print.

	A	B	C	D	E
1	EYTest Air Permeability Tester				
2					
3	Project	FSPG样品测试			
4	Test ORG	EYTEST LIMITED			
5	Instrument	EY36			
6	Operator	Jack			
7	Compny	佛塑			
8	Specimen	无纺防水布SYC21			
9	Remark				
10	Test Date	2013-12-18 16:27:40			
11					
12					
13	No.	Time	Pressure(Pa)	Result	Unit
14	1	2013-12-18 16:39	200	365	l/m²/s
15	2	2013-12-18 16:41	200	366	l/m²/s
16	3	2013-12-18 16:45	200	364	l/m²/s
17	4	2013-12-18 16:47	200	365	l/m²/s
18	5	2013-12-18 16:49	200	365	l/m²/s
19					

8 Configuration

Standard configuration: Mainbody, Test head 20cm²
 LABTest analysis software
 One Verification Check Plate

Optional accessories:

- EY36-5 Test Head 5 cm²
- EY36-25 Test Head 25 cm²
- EY36-38 Test Head 38 cm²
- EY36-50 Test Head 50 cm²
- EY36-100 Test Head 100 cm²