EY20 Hydrostatic Head Tester

1. Test Unit

1.1 Product Descript

EY20 Hydrostatic Head Tester is used for measures the resistance of a fabric to the penetration of water under hydrostatic pressure. It is applicable to all types of fabrics, including those treated with a water resistant or water repellent finish，The pneumatic clamp head have huge clamp pressure.

1.2 Technical Specifications

- Test pressure:0~3000mbar
- Measuring accuracy: ± 0.5 % ± 1 mbar
- Readability: 0.1 mbar
- Test gradient:1~1000mbar/min
- Pressure warning signal: 1mbar ~3000mbar
- Test area:100 cm2 (10 cm2, 19.63 cm2,26 cm2, and 28 cm2 optional)
- Maximum sample thickness:0~20mm
- Required compressed air supply: 4~8 bar (clean and dry)
- Dimensions: 56×33×40cm(W×D×H)
- Weight: 40Kg
- Power: AC100~240V,50/60Hz,50W
- Warranty: 24 Months

1.3 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.
- Simple and convenient test fixture is designed to provide superior gripping force, to ensure that the water does not leak out from the side.
- High-precision pressure sensors and pressure control system.
- LED soft illumination system, digital adjust lighting brightness.
- Friendly and convenient test software, test software to configure a variety of test standard, user-friendly.
- Test pneumatic clamp head, with huge clamp pressure, Maximum pressure four tons。

1.4 Testing standards

GB/T 4744, AATCC 127, EN 20811, BS 2823, BS 3424-26 29A/29C, BS 3321,
BS 3321,ISO 811,ISO 1420A,DIN 53886,INDA IST 80.4,JIS L 1,092 A,JIS L 1,092 B-b
NF G07-057,ERT-120-1, 160-0,EDANA 120.2-02,ISO 16603,ASTM F1670,YYT 0700,ASTM F903.

1.5 Test Principle

One surface of the test specimen is subjected to a hydrostatic pressure, increasing at a constant rate, until three points of leakage appear on its other surface. The water may be applied from above or below the test specimen.

The instrument contains a high precision pressure control system, which produces the test pressure in an internal water tank.

1.6 Application

Measurement the resistance of plastic foils, coated and uncoated fabrics,and non-wovens to water penetration by means of the dynamic test method,the static test method, and the program test method..

1.7 Configuration

Standard configuration: Mainbody,Test Head 100 cm²， Samsung p3110 Tablet，
Tablet LABTest Software

Optional accessories:

EY20-10 Test Head 10 cm²
For measurements on small test samples and abrasion test areas.

EY20-19.63 Test Head 19.63 cm²
For measurements in accordance with BS 3424-26 29C

EY-26 Test Head 26 cm²
For measurements on small test samples.

EY20-28 Test Head 28 cm²
For measurements in accordance with EDANA 120.2-02 and for measurements on small test samples.

2. Tablet PC

Android system, multi-point touch intelligent tablet PC, the operation is simple. And communication host through the wireless WiFi connection, can realize remote operation.

3. EY20 Tablet LABTest Software

3.1 Main Screen

The program main screen is a test project Settings interface, including test items commonly used some parameters, when starting a new test project must first select a test standard. you can even use smart phones to control the instrument testing work.

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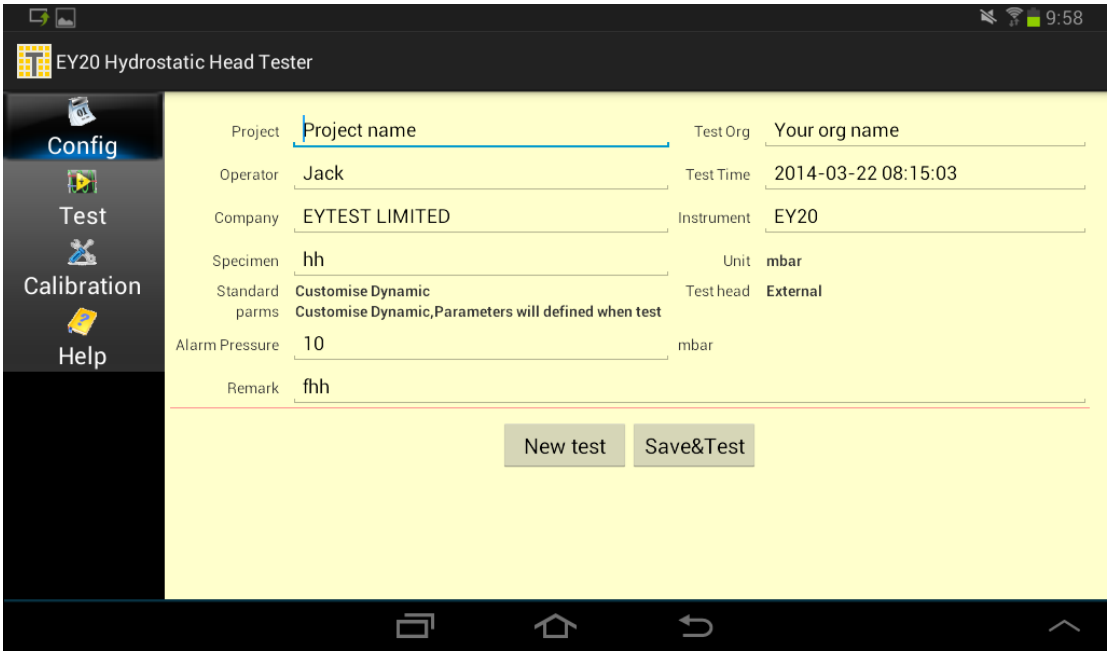
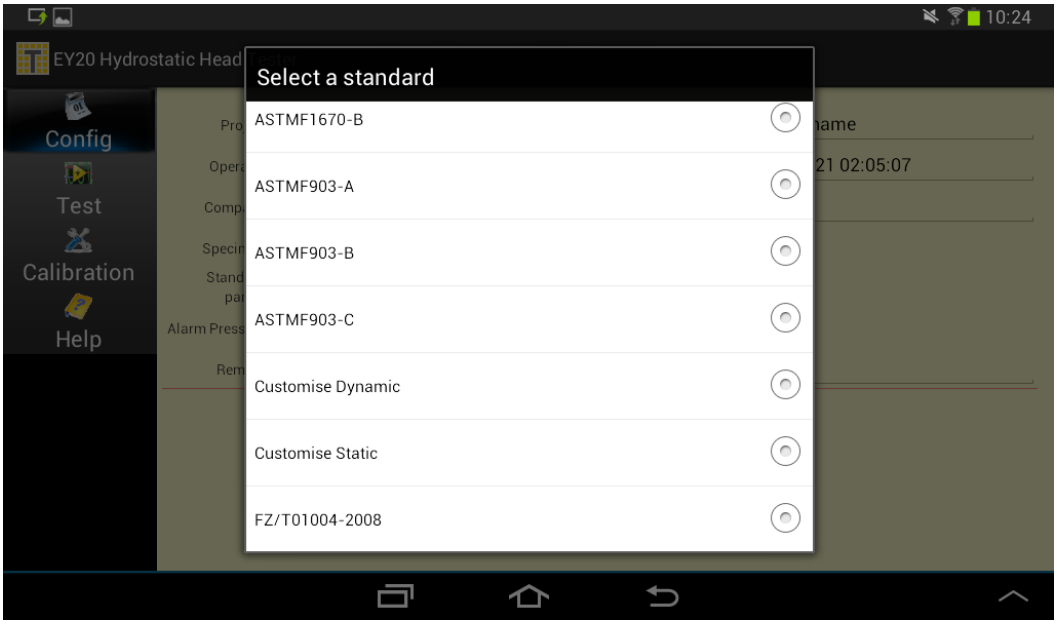


3.2 Test Standards Screen

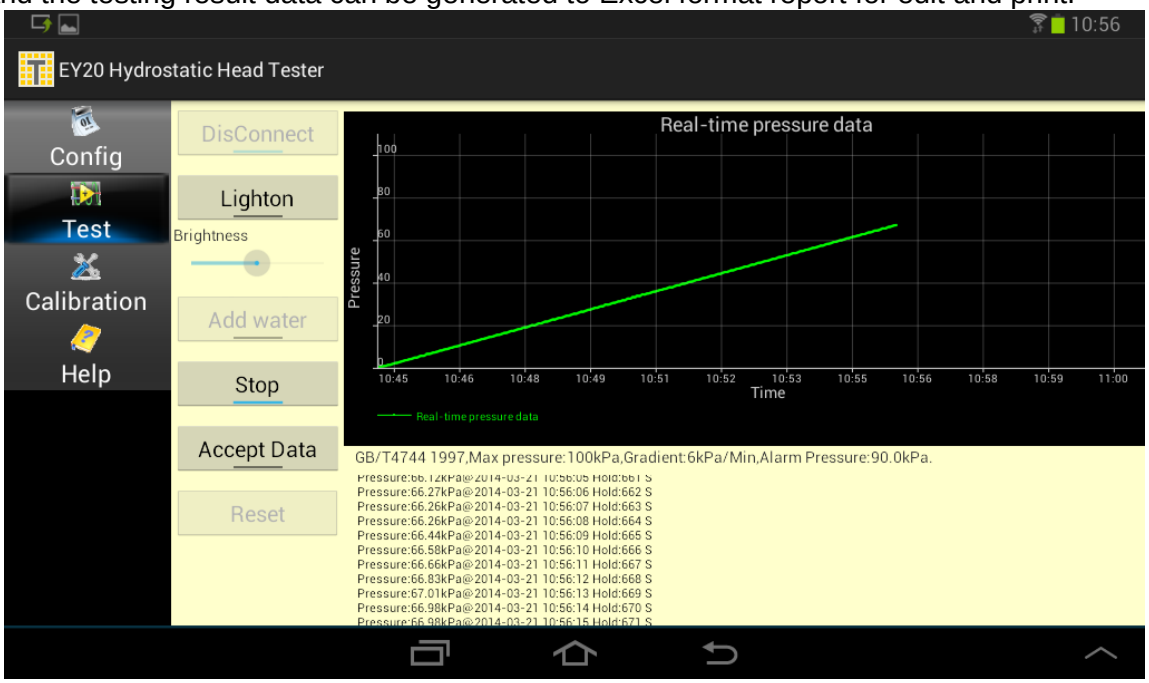
Standard selection screen is equipped with all the standards of this device can supported. the user can choose among them any one of the standard, in addition, to meet the special needs, user can also customize test standard. Selected standard, program interface will display different parameters according to standard.



3.2 Test Screen

Click the Test button to enter the Test screen, online can through the tablet PC or smartphone control host water, turn on the light, adjust the observation of light operation, etc.

Click the test button, the host in accordance with a predetermined test standard and parameter running test procedure, test pressure along with the test process and changing in the form of chart displayed on the screen, and the testing result data can be generated to Excel format report for edit and print.



3.2 Test Report

EXCEL format test report, can also be sent to the computer for edit and print

	A	B	C	D	E
1	**EYTest**			Hydrostatic Head Tester	
2					
3	Project	Project name			
4	Test ORG	Your org name			
5	Instrument	EY20			
6	Operator	Jack			
7	Compny	Sgs			
8	Specimen	Blue			
9	Remark				
10	Test Date	2013-11-25 14:19:50			
11					
12	***Standrard Name***			***Method***	***MaxPress***
13	AATCC127 2003			Dynamic	1000.0 mbar
14					
15	No.	Time	Pressure	Unit	HodTimes
16	1	2013-11-25 14:46:11	246.10	mbar	248S
17	2	2013-11-25 14:46:12	256.25	mbar	257S
18	3	2013-11-25 14:46:13	252.32	mbar	252S
19	4	2013-11-25 14:46:14	262.12	mbar	261S
20	5	2013-11-25 14:46:15	256.08	mbar	258S