

EY10 Elmendorf Tester

1.1 Product Description

EY10 is an Low-power electronic Elmendorf tearing strength tester, fully standards-based fan Swing Pendulum Using high-precision optical sensor, Automatic pendulum weight detection, USB port low-voltage power supply, the maximum range 128N testing capabilities, Can be tested separately, can also be connected to the computer, to provide you with accurate test reports.



1.2 Technical Specifications

Standard Pendulum Weights (A-D): 8N,16N,32N,64N
Optional Pendulum Weight (E): 128N
Measuring accuracy: 1% of Pendulum range
Readability: 1mN
Calibration weights: 50% of each Pendulum range
Units of Measurement: N, cN, mN, kgf, gf, lbf, ozf
Number of Specimens (Plies): 1 to 16
Maximum Specimen Thickness: 8mm
Clamps clearance: 2.5-3.5mm
Cut Length: 15 - 20mm
Blade: Titanium nitride coated
Dimensions: 360mm×250mm×360mm(W×D×H)
Weight: 30Kg
Power: DC5V 1W
Warranty: 24 Months

1.3 Professional Technology

1. Automatic pendulum weight detection, automatic zeroing and visible and audible indicators.
2. Hi-resolution digital encoder.
3. Low-power design, USB interface power supply.
4. Design of the high range, Select E the pendulum can test to 128N.
5. Two clamps clearance 2.5 to 3.5 is continuously adjustable, adjustable blade position to meet a variety of Testing standards.
6. LED backlight, digital adjust lighting brightness.
7. User friendly software, statistical analysis of results and PC Software Package available.

1.4 Testing standards

Textile

ASTM D 1424, DIN 53862, EN ISO 13937-1, ISO 4674-2, ISO 9290, GBT 3917.1, M&S P29, NEXT 17 NF G07-149

Plastics

ASTM D 1922, GB/T 11999, ISO 6383-2, JIS K 7128-2, NF T54 141

Nonwovens

ASTM D 5734, WSP 100.1

Paper

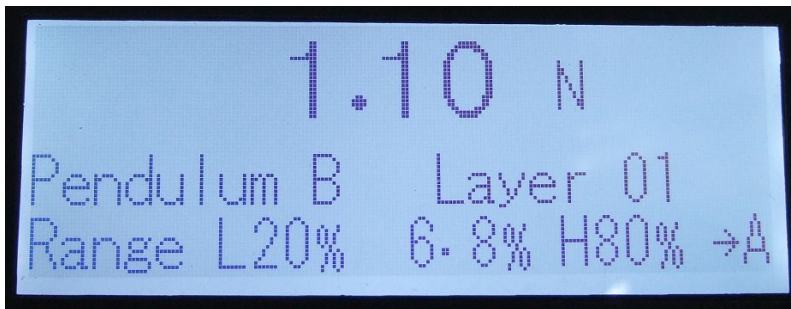
APPITA P 400, ASTM D 689, BS 4468, CSA D9, DIN 53128, EN 21974, GB/T 455, ISO 1974, JISP8116, PAPTAC D9, SCAN P11, SNV 198482, TAPPI T414, UNI 6444

1.5 Test Principle

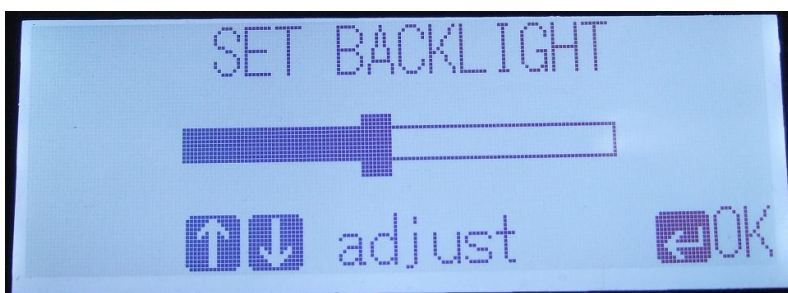
Lift the pendulum up to a certain height to give it an initial potential energy. The pendulum tears the specimen while swinging down. The electronic test system calculates the decreased energy caused by tearing to obtain the required force for tearing.

1.6 Application

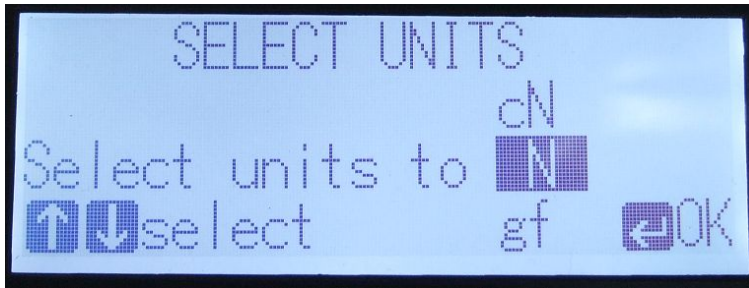
Textiles, Plastic film and aluminum plastic composite films, Paper and paperboard.

1.7 Configuration**Standard configuration:**Mainbody, Standard Pendulum Weights (A-D) and Calibration weights,
LABTest PC software**Optional accessories:**EY10-E
Pendulum Weight E and Calibration weight**2. LCD Display Screen**

The main screen displays the test results and the parameters.



The Backlight adjustment screen



Parameters set screen

3. Test Report

The test results data can send to PC by USB cable and saved as Excel format, concise and practical, to make the perfect test report

	A	B	C	D	E	F	G	H	
1									
2									
3	Elmendorf Test								
4									
5	Test ORG	EYTEST Laboratory			Instrument	EY10			
6	Test time	2012-12-22			Operator	Edwin Zhang			
7	Temperature	20°C			Humidity				
8	Client	Intertek Laboratory							
9	Sample	Blue jean							
10	Remark	Test by EY10 Elmendorf Test							
11									
12	Test Data								
13	NO.	Time	Pendulum	Layer	Test Data	Unit	Test Range	Result Range	
14	1	11:15	C	1	15.25	N	20%~80%	47.7%	
15	2	11:20	C	1	15.28	N	20%~81%	47.8%	
16	3	11:24	C	1	15.23	N	20%~82%	47.6%	

Contact Us

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