

EQUIPMENT DETAILS FOR ELMENDORF TEARING TESTER

Image:



Application

To determine the ballistic tearing strength of woven fabrics, plastic films, paper, or other similar materials.

Standards

Textile: ASTM D1424, DIN 53862, EN ISO 13937-1, ISO 4674-2, ISO 9290, M&S P29, NEXT 17

Plastics: ASTM D1922, ISO 6383-2, JIS K 7128-2, NF T54 141

Nonwovens: ASTM D5734, WSP 100.1

Paper: APPITA P 400, ASTM D 689, BS 4468, CSA D9, DIN 53128, EN 21974, ISO 1974

Features

1. Latest design with modern sophisticated look.
2. Pneumatic operated clamping and pendulum release ensures repeatable test result.
3. The built-in microcomputer handles all calculations and set-up functions.
4. Tearing force displayed digitally.
5. Easily interchangeable pendulums.
6. Selectable units: newtons, grams-force, millinewtons, lbs-force, percentage of pendulum capacity.
7. Easy to calibrate using the check weights (optional).
8. PC & PRINTER connection.
9. Cutting template supplied for preparing samples.
10. Supplied with calibration & inspection certificates.

Technical parameters:

Measuring pendulum range	16N 32N (By adding Augmenting weight) 64N (By adding Augmenting weight)
Unit of measurement	CN, N , gf , lbf
Distance between Clamps	7.0 ± 0.25 mm
Tearing Distance	43 ± 0.15m
Slit Size	20 ± 0.2 mm
Tolerance range	20-80 % of each full scale, settable range or full scale
Angular resolution	high resolution digital optical encoder
Display	LCD display backlight
Blade	steel
Data port	RS232 port for printer connection and 3 pin Mini-DIN connector for PC.
Statistics	Force min. max. mean, CV%, St. Deviation, Range%
Language	English
Template Size	As per ASTM standard
Dimensions	490 x 430 x 680 mm
Power supply	220V, 50Hz
Weight	58KG

Accessories:

- 1.Main Unit:01 No.
- 2.Augmenting weight for 32N:01 No.
- 3.Augmenting weight for 64N:01 No.
- 4.Spare Cutting Blade:01 No.
- 5.Specimen cutting template:01 No.
- 6.USB software:01 No.
- 7.Power Cord:01 No.
- 8.This User' s Manual:01 No.
- 9.Inspection & Conformance Certificate:01 No.

LCD CONTROL PANEL

MENU

- | | |
|----------------|---------------|
| 1. Settings | 2. Run Tests |
| 3. Print-Query | 4. Empty Data |
| 5. Calibration | |

Settings

Range : C

Units : N

Range : C Plies : 5 Test : 12

Tear Strength :

0.00 N

Range : C Plies : 5 Test : 12

Tear Strength :

9.53 N

Print-Query



Haida International Equipment
Caibai No.1 Industrial Zone
Dongguan City, Guangdong Province
China Post Code: 523170
Tel: 86-769-89055588 Ext 845
www.haidatestequipment.com

Haida International Equipment (HK) Ltd

11/F, Front Block, Hanglok Building,

130 Winglok ST, Sheung Wan, HK

TEL: +852 90396175

Dongguan Haida Corporation Ltd

6/F Rongda Building , Nacheng District,

Dongguan City, Guangdong Province

TEL:+ 86 0769- 89280808 / + 86 1366 270 7979

Website: www.haidatestequipment.com

HAIDA Mission:

Deliver the best testing equipment to our customers