

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.

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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

