

MONITOR/TEAR™ TESTER 83-11-01



FEATURES

- Digital display
- Storage and editing of up to 500 readings
- Easily interchangeable pendulums ranging from 200g to 6400g
- Auto calibration of pendulum
- RS-232
- Selectable units (percentage, millinewtons, grams)
- Settable limits, Statistics, Average, Standard deviation, high/low results
- Grips and pendulum releases are pneumatic
- Clamp pressure in psi and kg/cm²
- Calculates and displays average tearing force for single ply values in millinewtons or gram force
- Report printout with optional printer



TEAR TESTING

Tear testing determines the force required to continue the tearing of an initial cut in sheet materials. This is also used to evaluate strength of perforated materials such as postal reply cards.

The Monitor/Tear™ is an automated tear tester equipped with an optical encoder, measuring the angular position of the pendulum during the tearing operation, and converting this measurement to tear units.

APPLICATIONS:

Paper, Foil, Film, Textiles, Nonwovens

PENDULUMS

- 200 gram pendulum 83-11-02
- 800 gram pendulum 83-11-04
- 1600 gram pendulum 83-11-05
- 3200 gram pendulum 83-11-06
- 6400 gram pendulum 83-11-07
- Universal pendulum 200, 400, 800 & 1600 gram pendulums; the required calibration weights are included 83-11-08

SPECIFICATIONS

Model: 83-11-01
Air: 600 kPa (instrument quality)
Weight: 10.4 kg (23 lbs)
Dimensions W x D x H: 12 in x 12 in x 20 in
(305 mm x 305 mm x 508 mm)

STANDARDS

Conforms to TAPPI T-414, ASTM D1922 and D1424, ISO 1974, CPPA d.9, AS/NZ 1301.400S, BS 4468 and SCAN P-11

Other Models

Standard Elmendorf Tear Tester (TMI 83-10-00)

Main Headquarters

Testing Machines Inc.
2 Fleetwood Court
Ronkonkoma, NY 11779
Tel: (631) 439-5400
Fax: (631) 439-5420
Info@testingmachines.com

Messmer Instruments
Unit F1 Imperial
Business Estate
West Mill, Gravesend
Kent DA11 0DL UK
Tel: +44 (0) 1474 566488
Fax: +44 (0) 1474 560310

Büchel BV
Fokkerstrat 24,
3905 KV
Veenendaal, Netherlands
Tel: +33 (0)318 521500
Fax: +33 (0)318 5400358

Lawson Hemphill
1658 G A R Highway
Swansea, MA 02777 USA
Tel: (508) 679-5364
Fax: (508) 679-5396
Information@
lawsonhemphill.com

Adamel Lhomargy SARL
Z.A. de l'Habitat, Bâtiment
6 Route d'Ozoir, 77680
Roissy en Brie, France
Tel: +33 (0) 1 6440291
Fax: +33 (0) 1 64409211

TMI Canada
P.O. Box 203
Pointe-Claire Dorval
QC, H9R-4N9 CAN
Tel: (514) 426-5855
Fax: (514) 426-1557



www.testingmachines.com

www.lawsonhemphill.com