

Heavy Duty Elmendorf ProTear

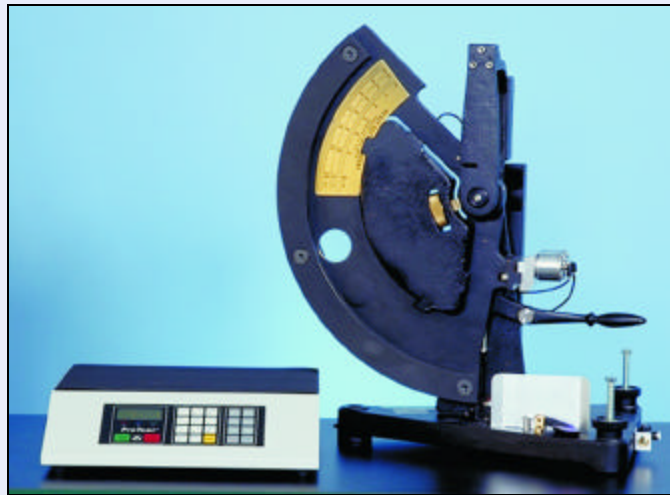
The Heavy Duty Elmendorf ProTear quickly and accurately measures the tearing strength of heavy weight materials including paper, nonwovens, plastics, and textiles. A high capacity instrument, the Heavy Duty Elmendorf is equipped with augmenting weights to increase capacity to 25,600 grams-force.

A mechanical model is available which obtains test results by means of a pointer on a graduated scale from 0-100% and reports it as a percentage of the pendulum capacity.

Advanced electronics enhance the functionality of the unit by providing complete test control and direct digital readout of results. Pneumatic clamping and a digital encoder which monitors pendulum movement ensures repeatable, precise test results. Quickly enter sample data, configure test parameters, results and reports, obtain results as percent of scale, tear index, grams, mN or pounds, and receive instant analysis with an easy to read display and one-touch software.

Data Acquisition Software

Data Acquisition Software (DAS) is a Windows® based optional software package that provides the ability to collect data and perform additional statistical analysis. DAS enables you to plot results real time against defined limits, generate semi-custom reports and export test data to other spreadsheet packages for further management.



▲ **Ideal for higher gauge materials, the Heavy Duty ProTear tests up to 25,600 grams.**

Features:

- Augmenting weights are available to increase capacity to 25,600 grams
- User-friendly, one-touch software
- Pneumatic clamping
- RS-232 & Parallel Ports
- Digital encoder for precision measurements

Standards:

ASTM D751, D5734



Calibration Checkweights

Maintaining the calibration of the Heavy Duty Elmendorf ProTear is vitally important to the units performance. Checkweights are available for periodically verifying the calibration of the instrument.

Sample Cutter

Accurate samples are necessary to achieve repeatable test results. A twin blade cutter which ensures precise cuts, facilitates testing

and reduces operator fatigue is available. Quickly and accurately prepare samples 63 mm wide and up to 6 in. long.

ProTear Electronic Upgrade Package

Update an existing Heavy Duty Elmendorf with the advanced ProTear electronics and quickly enhance the functionality of the unit.

Physical Specifications

Dimensions

19 in W x 13 in D x 24 in H
483 mm x 330 mm x 610 mm

Net Weight

69 lbs (31.3 kg) (includes 6400 gm pendulum)

Operating/Storage Environment

Air Temperature:

Operating: 10° to 50° C
Storage: -25° to 70° C

Relative Humidity:

Operating: 10% to 85% (Non-Condensing)
Storage: 5% to 90% (Non-Condensing)

Performance Data

Capacity

6400, 12,800 & 25,600 grams

Accuracy

±0.2% of Pendulum Capacity

Display

4 Line by 16 Character Backlit LCD, Wide-angle view

Statistical Analysis

Average, Standard Deviation, High, Low, Range, Variance

Test Memory

99 Test Results

Electrical Requirements

110 VAC ±10% @ 50 Hz
120 VAC ±10% @ 60 Hz
220/230 VAC ±10% @ 50 Hz
240 VAC ±10% @ 0 Hz

Power Consumption

10 Watts Max

Outputs

RS-232 serial port
Parallel printer port

Result Reporting

Digital Encoder & Display

Result Units

% of Pendulum, Force in Grams, lb, mN

Sample Clamps

Manual or Pneumatic



Thwing-Albert

INSTRUMENT COMPANY

Representante Oficial para América do Sul
REGMED INDÚSTRIA TÉCNICA DE PRECISÃO LTDA.

tel: + 55 11 3601-5700
fax: + 55 11 3601-5973
regmed@regmed.com.br
www.regmed.com.br
www.thwingalbert.com