



**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## LCD Display Paper and Textile Lab Testing Equipment 0-64N Elmendorf Tearing Tester





- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **ASTM D1424DIN 53862EN ISO 13937-1ISO 4674-2ISO 9290M&S P29NEXT 17**
- Model Number: **YY822**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **5-10 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **10 sets per month**

- Share to :

## **LCD Display Paper and Textile Lab Testing Equipment 0-64N Elmendorf Tearing Tester**

### **Description:**

Elmendorf Tearing Tester are accurate, low-cost and high quality falling pendulum tear testing Instruments with analog display for the determination of the average force required to propagate a single-rip tongue-type tear starting from a cut in paper, cardboard, plastics, non-woven and woven fabrics, with proper configuration.

Elmendorf Tearing Tester meeting ASTM standards is suitable for most fabrics including woven, layered blankets, napped pile, blanket, and air bag fabrics, and provided the fabric does not tear in the direction crosswise to the direction of the force application during the test. The fabrics may be untreated, heavily sized, coated, resin-treated, or otherwise treated. This test method covers the measurement of the average force required to propagate a single-rip tear starting from a cut in a non-woven fabric using a falling-pendulum (Elmendorf) apparatus.

### **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



