

Digital Elmendorf Tear Tester

This digital Elmendorf tear tester measures the force required to continue a tear in materials. It is used for quality control and research applications on fabrics, paper, film, and other materials.



Overview

Precision Tearing Strength Analysis

The Digital Elmendorf Tearing Tester is a high-precision instrument engineered to determine the tear strength of a wide variety of materials, including fabrics, non-wovens, paper, cardboard, and polymer films. Featuring a robust twin-pendulum design with minimum resistance, it ensures maximum accuracy and stability during testing. The system includes a user-friendly touch LCD interface, PC connectivity for data analysis, and an automated reporting feature, making it an essential tool for quality control and material research laboratories.

Technical Specifications

Compliance Standards

Standard Organization	Standard ID
ASTM	D1424 / D689
ISO	13937 / 4674 / 1974
British Standard	BS 4468
DIN	EN 21974
GB/T	3917.1
Retailer Standards	NEXT 17 / M&S P29

Selectable Units

- MN
- CN
- N
- G
- KG
- OZ
- LB

Material Compatibility

Fabrics, Non-woven, Paper, Cardboard, Polymer Film, Woven Materials

Features & Design

Key Features

- Twin pendulum design for stability and precision
- Weight reinforcement baseplate to minimize vibration
- Flexible clamp jaws for effortless sample fixing
- Safety bolt system for pendulum locking
- Hardened cutting blade coating
- Touch LCD control interface

PC Connectivity

Yes