

ELMENDORF TEAR TESTER

The innovative balance pendulum plate design achieves a higher level of testing accuracy.

The pendulum arm of the ElmenGuide Auto Elmendorf Tear Tester is specially designed, and the center of gravity of the entire pendulum arm coincides with the rotation center when no weights are attached. This is conducive to higher accuracy and reliability of the Elmendorf Tear Strength Test.



A smart instrument with IoT technology

The ElmenGuide Elmendorf Tear Tester can be connected through Wi-Fi with the SmarTexLab APP (developed by the ChiuVention Team) installed in the smartphones, then you can set parameters, monitor the fabric tear strength test status, receive equipment warning reminders, replenishment reminders, etc., and share the Elmendorf tearing resistance test results with one click.

EIGENSCHAFTEN

- The Specification of ElmenGuide Elmendorf Tear Tester
- Load range 8N, 16N, 32N, 64N, 128N
-
- Testing accuracy $\leq \pm 0.2\% F-S$
-
- Tear length 43mm
-
- Automatic incision length $20 \pm 0.2\text{mm}$
-
- Sample size 100×75 mm
-
- Standard Accessories of ElmenGuide Elmendorf Tear Tester
- Fuse 2 pcs
-

TECHNISCHE DATEN

Power connection	230 V / 50 Hz
Compressed air connection	ja
PC connection	USB
Width / Diameter	58 cm
Depth	42 cm
Height	60 cm
Weight (net)	70 kg

NORMEN

ISO 4674-2
ASTM D 1424



ElmenGuide Elmendorf Tear Tester

The ElmenGuide, also known as the Pendulum Tearing Tester, does the test by using a pendulum tearing method. The pendulum falls from a certain starting height, converts all potential energy into kinetic energy, cuts a slit on the fabric, and then measures the force required for the fabric to tear to a specified length, which can be used to calculate the fabric's tear resistance.

ElmenGuide

Elmendorf Tear Tester



- **The innovative balance pendulum plate design, achieves a higher level of testing accuracy**

The pendulum arm of ElmenGuide is specially designed, and the center of gravity of the entire pendulum arm coincides with the rotation center when no weights are attached. This results in higher accuracy and reliability of the equipment.

- **Smart instrument**

Can be connected through Wi-Fi with SmarTexLab App installed in the smart phones, set parameters, monitor the test status, receive equipment warning reminders, replenishment reminders, etc., and share test results with one click.

- **Automatic recognition of weights**

The machine can automatically recognize the weight attached and adjust to the corresponding range.

- **Humanized design, for more safety**

The double-button switch design prevents accidents and is more user-friendly for testers.

- **Precise manufacturing and stable operation**

The fixture rotates flexibly and the loss of empty pendulum is minimal. Multiple measurement units (N, cN, gf, cP) to choose from. In addition, ElmenGuide has a precise appearance design, with an aluminum alloy hard oxidation surface that is sleek, durable, and easy to clean. The trapezoidal chassis is more stable, and the seven-inch color touch screen is simple and easy to use.



Power
220/110V 50/60Hz



Weight
70kg



Dimension
580*420*600 mm(D*W*H)



Specifications

Load range	8N, 16N, 32N, 64N, 128N
Testing accuracy	≤±0.2%F-S
Tear length	43mm
Automatic incision length	20±0.2mm
Sample size	100×75mm

Accessories

Fuse	2 pcs
Sample cutter	1 pc, 100mm*75mm
Test weight A	1 pc, 8N
Test weight B	1 pc, 16N
Test weight C	1 pc, 32N
Test weight D	1 pc, 64N
Test weight E	2 pcs, 128N
Calibration weight a	1 pc, 8C
Calibration weight b	1 pc, 16C
Calibration weight c	1 pc, 32C
Calibration weight d	1 pc, 64C
Calibration weight e	1 pc, 128C

Standard

ASTM D1424 BS ISO 13937-1 GB/T 3917.1 ISO 4674-2