



ElmenGuide Elmendorf Tear Tester


The ElmenGuide Tearing Strength Tester, or Pendulum Tear Tester, measures fabric tear resistance. This instrument is stable and reliable for testing. The original balanced pendulum improves testing accuracy. ElmenGuide can auto-recognize weights and adjust the range. A dual-button switch design prevents collisions and injuries. A sensitive brake device and easy-to-use fixtures make the test user-friendly. IoT tech can connect the instrument to smartphones and computers. It can also link to ERP and LIMS systems. This will greatly improve testing efficiency.


ElmenGuide


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- Self-developed calibration system for more reliable testing**
 Multiple calibration points for each test range to ensure stable and reliable testing.
- Automatic recognition of weights**
 The machine can automatically recognize the hanging weights and adjust the matching range automatically.
- Unique balanced pendulum to achieve a higher level of testing accuracy.**
 The pendulum arm is specially designed so that the center of gravity of the whole pendulum arm coincides with the center of rotation when the weights are not hung. So the machine is more precise and reliable.
- Humanized design, safer**
 Double-button switch design, anti-collision function, sensitive brake device, easy to use fixture, more friendly to the testers.
- Smart Tearing Strength Test**
 The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. Test orders and standards can be sent to the instrument. The sample information can be read by scanning the code. The program can be automatically selected and tested. After the test, a digital raw record will be created. It will include the test process, results, temperature, and humidity. This record will be uploaded to the system. It will be summarized with other tests to output a report. All relevant parties can view the report in real-time. The operator can remotely monitor the status of multiple tests. They can also modify the test requirements, get a reminder before the test ends, and stop or repeat the test. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.

 **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