

ELMENDORF PENDULUM

DATASHEET

TearATS-200, determination of the average force to propagate tearing through a specified length of paper, plastic films, nonrigid sheeting.

The design of the TearATS 200 Pendulum has considered the quantitative reduction of the masses. In fact you obtain the different forces for the propagation of the tearing simply modifying the applied masses position.

The management of the various functions is through 7" touch screen colour display; moreover, you can export results and test parameters through USB output with dedicated software (optional).

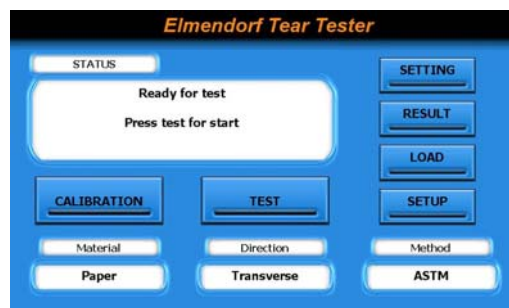


Technical specifications:

- Metal structure painted with cross-linked epoxy resins
- Maximum force : 100 N
- Measuring units : mN or gf
- Force reading accuracy : $\pm 1\%$
- Number of specimens each test to set . 1 \div 20
- Configuration and test functions:
- Pendular mass system complete with 6 masses.
- The different positioning of the masses on the pendular system allows to stress the specimen with the following tearing forces :
- 50 – 100 N
- 2000–4000–8000–16000–32000–64000 mN (ISO 1974 – UNI EN 21974)
- 1690–3920–7840–15600–31360–62720 mN (ASTM D 1424 – ASTM D 1922)
- Fixing grips opening : 3 mm
- Applied force calibration control
- Mechanical specimen blocking device
- Motor-operated positioning of the pendular mass
- Slitting assy (for preliminary specimen tearing)
- Microprocessor data management
- 7" touchscreen colour display for the complete control of the instrument
- USB output for the connection to a Personal Computer
- Safety devices:
- Transparent plastic safety screen
- Braking of the pendular mass after the impact
- Dimensions : mm 580 x 510 x 630 h
- Weight : approx. kg 80
- Power supply 230 VAC, 50/60 Hz

Optional accessory

- For extended filing of measurements, average values, number of specimens considered for the test, mass involved, number of packaged specimens for each measurement, if any.



Touchscreen functions

Equipment test:

Set of 3 masses for test:

- 50-100 N
- 2000-4000-8000-16000-32000-64000 mN (ISO 1974 – UNI EN 21974)
- 1960-3920-7840-15600-31360-62720 mN (ASTM D 1424 – ASTM D 1922)

Standards

ASTM	D1424	D1922
ISO	1974	
UNI EN	21974	

Code Description

16040001	Elmendorf Pendulum w/lifter
00100100	Software for storage and printing