

FibroStelo

Generic Name : Fibre Bundle Strength Tester (Stelometer)

Product # : MAG - F0501

Test Category : Fibre

Industry Usage : Ginning and Spinning

Features :

- Determine the tensile strength or breaking tenacity and elongation (at break) of flat fibre bundle.
- Accurate measurement of force and elongation at break of a flat fibre bundle with zero or 1/8" (3.2 mm) clamp space.
- Table top model; constant rate of loading (CRL) principle; specially designed for ergonomic comfort.
- Precise pendulum mechanism simultaneous determination of strength and elongation.
- Assorted accessories including torque vice for easy preparation and testing of sample.
- Strength (breaking force) is measured from 2.0 to 7.0 kilogram and elongation range is up to 50%.



TECHNICAL DATA

Capacity	: Breaking force : 2.0 to 7.0 kg Elongation : 0 to 50 %
Gauge length	: 0 and 1/8" (3.2 mm)
Rate of loading	: 1 kilogram per second (to be set)
Applicable standards	: ASTM D1445 / 2524, BS 5116, IS 3675 & ISO 3060
Physical Dimensions	: Size (WDH) : 350 x 150 x 400 mm Weight : 13 kg (Accessories included)

SCOPE OF SUPPLY

- 1) Main Unit** : - 1 No.
 - 2) Accessories** : Torque vice - 1 No., Torque wrench – 1 No., Pressley clamp (set) with 1/8" spacer - 1 No., comb - 2 Nos., Sample clip - 1 No., Shearing Knife - 1 No., Tweezer - 1 No. and Metal strip - 3 Nos.
 - 3) Documents** : User's guide, Warranty certificate, Test certificate & Calibration certificate.
 - 4) Consumables** : Standard Calibration cotton (Pack of 20 g) – 1 Pkts.
- Optional Supply** : 1) Precision electronic (0.1 milligram) balance
2) Bulb type / Digital hygrometer
3) Digital Stop watch
4) Standard Calibration cotton (Pack of 200g) for Low Strength & High Strength cotton

PRE-REQUISITES FOR INSTALLATION

Suitably conditioned (65% Relative Humidity atmospheric controlled) room with working table (Working table should have the provision for mounting Torque vice), Suitable balance (0.1 milligram), Test samples and Suitably qualified operator.

OTHER AVAILABLE MODELS

High volume Fibre Tester