

Product Specification

EleStretch XT

MAG™
beyond quality

Generic Name : Electronic Lea Strength Tester - 500 lbs

Product # : MAG - Y0255

Test Category : Yarn

Industry Usage : Spinning, Weaving & Knitting

TEXTILE
TESTING
SOLUTIONS

Features :

- Determine the peak breaking force and elongation of yarn in skein form (Lea) having 1.5 yards girth.
- Ergonomically designed table top model having rugged steel body construction.
- Operating under standard CRE (Constant Rate of Extension) principle.
- State-of-art microcomputer controlled solid-state control circuitry with User-friendly menu driven operating system and alphanumeric LCD display screen.
- Maintenance-free inline drive system for quiet and trouble-free operation.
- Proven clutch driven tongue follower traverse mechanism for easy sample handling and testing operation.
- Computer connectivity port for data transfer and presentation.
- Selectable force unit: lbf, Kgf and Nf; selectable elongation unit: mm, inch and percentage.
- Comprises numerous RoHS compliant and safety components, ensures CE norms.



TECHNICAL DATA

Capacity	: 500 lbf / 225 kgf / 2250 Nf
Accuracy	: ± 0.1 lbf / ± 0.05 kgf / 0.5 Nf
Rate of Extension	: 300 ± 10 mm / min (12 ± 0.4 in. / min)
Result storage capacity	: 500 test results (50 set of 10 tests)
Control system	: Detachable microcomputer based solid-state electronic control system
Drive System	: Integrated, inline induction motor and directly coupled gearing mechanism
Display	: Alphanumeric back-lighted LCD display
Power supply	: Single phase 220vAC @ 50Hz; Consumption : 300 watts
Applicable Standard(s)	: ASTM D1578 & IS 1671
Physical Dimensions	: Size (WDH) : 440 x 210 x 1000 mm Weight : 45 kg

SCOPE OF SUPPLY

- 1) Main Unit** : - 1 No.
- 2) Accessories** : Mains cord - 1 No. & Oil collecting tray - 1 No.
- 3) Spares** : Clutch plate - 2 Nos.
- 4) Documents** : User's guide, Warranty certificate, Test certificate & Calibration certificate.
- 5) Consumables** : Standard Lea samples (Each 20 Nos.) – 2 sets

Optional Supply : SpinSoft software to engage for data storage and Calibrated weight (10 kg)

PRE-REQUISITES FOR INSTALLATION

Sturdy table (with height of 2.5 to 3 feet), Properly earthed and Stabilized single phase 220vAC @ 50Hz ported at 5 Amps supply socket, Test samples and Suitably qualified operator.

OTHER AVAILABLE MODELS

MecStretch, MecStretch XT, AutoStretch 5C and UniStretch 250 / 500