

digiTENS[™] (Digital Yarn Tension Meter)

INTRODUCTION

To determine the tension in yarn, the *digiTENS*[™] is used. It is specially designed to evaluate the tension of moving yarns in specially knitting & weaving machines in textile mills.

EQUIPMENT

Paramount *digiTENS*[™] (Electronics Yarn Tension Meter) has been designed specifically to fulfill the needs of fast growing textile industry. *digiTENS*[™] has a specially developed electronic sensor which is capable of sensing tension in the moving yarn very accurately. This sensor converts the tension read by the sensing probe into the equivalent electrical signal. This signal is processed through the micro-controller and the yarn tension is displayed digitally in the Gms. The instrument works on rechargeable batteries. A battery charger (Adaptor) is provided with the instrument. The instrument consists of two part viz., hand held sensor probe and palm top digital display unit.

SALIENT FEATURES

- Specially designed equipment to determine tension of moving yarn in knitting & weaving machines.
- Latest model with digital control.
- Capacity 0 to 200gms, accuracy 1 gm.
- Portable & handy model, which can be carried anywhere.
- Digital display for tension in the Gms.
- Simple to use & easy to operate.
- Duly packed in wooden box for safety & easy transport.
- Supplied with Conformance & inspection certificates.

***digiTENS*[™] is supplied complete with below accessories.**

Main Unit	: 01 No.
Sensor Probe (with Acrylic Cover/Cap)	: 01 No.
A.C Adaptor	: 01 No.
Connector Lead	: 01 No.
This User's Manual	: 01 No.
Inspection & Conformance Certificate	: 01 No.

TECHNICAL DETAILS

Measuring Range	: 0 to 200 Gms.
Resolution	: 1 Gms.
Supply	: 6 V DC (Rechargeable Batteries)
Accuracy	: ± 2% of full scale
Display	: 3 Digit , LCD
Overall Dimension of the Unit	: 210 (W) x 220 (D) x 70 (H) mm 8" (W) x 8.5" (D) x 3" (H) Inch
Net Weight of the Unit	: 1.020 Kg. (2.244 lbs)
Net Weight of the Adaptor	: 330 Gms. (0.726 lbs)



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