

twistTESTER (Single Yarn)™

INTRODUCTION

The strength of a yarn depends to a great extent on the amount of twist imparted. Accurate determination of this physical property is very importance in assessing the quality of a yarn. The amount of twist given to a yarn is usually determined by untwisting a known length of yarn and finding the number of rotations of one of its ends relative to the other by remove the twists completely. Paramount **twistTESTER (Single Yarn)™** is the appropriate equipment for the determination of twists of a single yarn.

EQUIPMENT

Paramount **twistTESTER (Single Yarn)™** having a set of clamps; one of which rotates and the other is fixed. The rotating clamp is driven by hand gear assembly. A specially designed five-digit re-settable revolution counter is provided to count the number of twists. The fixed clamp has a push up plate by which yarn can be carried through to pass it over the pulley hang to a desired weight to give the desired tension to the yarn. The fixed clamp assembly can be moved over a guide bar for setting the required test length of yarn. The Test Length is indicated on a calibrated strip scale fixed to the base against a pointer attached with moving assembly. A magnifying glass is provided to check the opening of the twists in the yarn during untwisting process. The equipment is meticulously finished in Blue PU paint .

SALIENT FEATURES

- Specially designed equipment to determine the twist per inch/cm in single yarn.
- Ergonomically design with modern aesthetics.
- Smooth precision-engineered mechanism for exceptional performance..
- Specially designed only for single yarn.
- 10 & 20gms weight supplied to give proper tension during testing.
- Complete with all accessories.
- With analog re-settable twist counter.
- Magnifying glass is attached to ease in testing.
- Supplied with calibration & inspection certificates

twistTESTER (Single Yarn)™ is supplied complete with below accessories.

Main Unit fitted with Meter Wheel or 1.5 Yards Wheel	: 01 No.
Main Unit	: 01 No.
Dead Weight (10 Gms. & 20 Gms.)	: 01 No. Each
Allen Key (2 mm)	: 01 No.
This User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificate	: 01 No.

TECHNICAL DETAILS

Test length	: 0 to 75 mm
Counter	: Five digit revolution counter to give twist directly
Dead Weight	: 10 Gms. / 20 Gms.
Scale for the test length	: 0 – 100 mm
Overall Dimensions	: 420 (L) x 125 (W) x 330 (H) mm. 16.5" (L) x 5" (W) x 13" (H) Inch.
Net Weight	: 8 Kg. (17.6 lbs)



RELATED STANDARDS

- ISO 2061.
- BS 2085.
- ASTM D 1422 / D 1423.
- DIN 53832.
- IWTO 25-70.