

ETT ELECTRONIC TWIST TESTER



Determining optimum twist can have a critical effect on the physical characteristics of yarns. Yarns with a low twist count are capable of producing a yarn with increased softness for knitting and warmth. Increasing twist count can provide additional tensile strength. However, maximum tensile strength can decrease if the twist angle is greater than the desired amount.

The model ETT Electronic Twist Tester by Brustio meets applicable International Standards for measuring both the untwist/retwist method and yarn twist method by direct rotational counting. ETT instrument software allows the selection of both twist methods, in addition the software reports sample statistics including average, standard deviation, maximum and minimum. Result data can also be printed or sent to a PC.

The ETT Electronic Twist Tester is a motorized unit consisting of two clamps. One clamp is adjustable for varying sample length before and during a test and a second clamp is rotated in either direction to measure counts.

Features

- * Clamp distance is variable from 1 to 50 centimeters
- * Elongation indicator up to 100 mm with accuracy of 1 mm
- * Electronic counter with 4 displays
- * Pre-determined shutoff setting at end of test

Models

- LH-703 ETT/Electronic Twist Tester
LH-703 ETTS/Electronic Twist Tester with the printer at 20 columns

Standards	
ASTM D 1422	Standard Test Method for Twist in Yarns by Direct-Counting
ASTM D 1423	Method for twist in single spun yarns by the untwist-retwist method
BS 2085	Method of test for determination of twist in yarns, direct counting method
DIN 53832/1	Testing of textiles; determination of the twist of single and plied yarns and of the change of length. untwist method
IWTO 25-70/E	
UNI EN ISO 2061	Textiles -- Determination of Twist in yarns -- Direct counting method
ISO 2061	Textiles-- Determination of Twist in yarns-- Direct counting method

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Technical characteristic

Speed rotation	0 - 2200 r.p.m.
Display	Back-light LCD
Output	RS232 serial port for data output and printer output
Clamp distance	1-50 cm (0.5-20 inc)
Elongation indicator	0-100 mm
Pre-tension weights	1,2,3,5,10,15,30 (Standard)
Power supply	110V and 220V
Power consumption	25 Watt
Dimensions	106 x 23 x 23 cm (41.7 x 9 x 9 in)
Weight	16 Kg. (35.2 lb)

Accessories and spare parts

TPESI/	50 – 100 – 150 gr additional pre-tension weights
LENTEB4003	Magnification lens 3x
BELTCARTA	Paper for printer
BELTNAST/	Tape for printer

Contact us today for more information on the Electronic Twist Tester or any Lawson Hemphill product,

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Please visit our website at
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