

Electronic Twist Lab



Technical specifications

- » Weight: 9,8 kg
- » Dimensions: 1060 x 300 x 220 mm (L x W x H)
- » Power supply
 - » 220V-50Hz
 - » 110V - 60Hz
- » Power absorption: 50VA

Features

- » Digital reading of turns up to 9999 (with accuracy +/- 1 turn)
- » Adjustable speed of moving clamps up to 2000rpm by means of a potentiometer.
- » Adjustable clamp distance from 1 to 50 cm.
- » Yarn pretension system up to 70cN by means of combinable weights.
- » Suitable for yarns with a count ranging from 0,5Nm up to 200Nm.
- » Mechanical clamping

Electronic Twist Tester to determine twist of single, twisted (S&Z) and Open End yarns. Three methods available to be selected by the operator:

- A) traditional "untwist/retwist" method for single yarns,
- B) Direct method: "untwist" method for plied yarns, threads and multifilament yarns.
- C) "Schutz" method (untwist, retwist and double countercheck) for OE yarns, worsted and slippery yarns.

- » Adjustable test length (distance between clamps) from 1 to 50 cm (0.39-19.6 in).
- » Built in digital tachometer and optical sensor with led showing correct zero starting and ending position. (+/-1 turn of accuracy).
- » Very accurate elongation index with inbuilt mechanical clamp.
- » Pretension system with pulleys with 9-weights kit, up to 70 cN
- » Adjustable clamp speed, up to 2000rpm.
- » Endowed with two serial ports, for connection to PC (software and cable included) and to printer (optional).
- » Accessories included: magnifying lens, fixed calliper, pretension weights, bobbin holder, software and cable.
- » Optional: Printer, additional pretension weights (1 N 1,5 N and 2 N).
- » Power supply: 220V 50Hz. On request 110V/60Hz is possible.

Standards

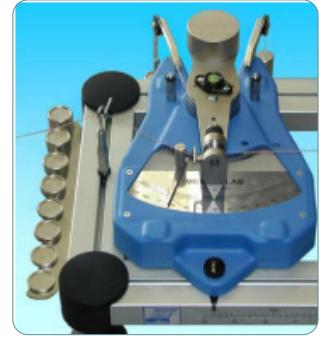
UNI ENISO 2061 UNI 9067, UNI 9277 UNI 9069 ASTM, D1422- 99 ASTM D1423-02, BS EN 2061

Elongation device equipped with a graduated scale and a mechanical block for the moving clamp to be positioned according to the maximum lengthening of the yarn.

Pretension system with pulleys ensuring maximum precision of yarn tension setting and control during the test in compliance with International Standards.

Yarn pretension settable up to 70cN.

Optical signal control of "Start" and "Stop" test positioned on the elongation device.



User friendly key panel for selection of test method (A, B or C), twist direction (S or Z) setting of moving clamp rotation speed by means of a potentiometer and data transmission to the printer.