

**Please send quotation for following testing instruments in closed envelope to following address latest by 18.03.2017:**

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**Validity of quotation should be 6 months.**

## **1. AUTOMATIC THREAD COUNTER**

### **TECHNICAL SPECIFICATIONS**

- Measurement of thread density of woven fabrics and wire meshes as well as loop density of knitted fabrics
- Measuring range: 8 to 300/cm (20 to 750 threads/in)
- Units of measure: 1/cm and 1/in
- Measuring accuracy: better than  $\pm 1$  % of the displayed value
- Test length: 29 mm (1.1 in)
- Computing time: less than 1 second
- Portable instrument with optional stand for laboratory use

## **2. AUTOMATIC TWIST TESTER**

### **TECHNICAL SPECIFICATIONS**

- Measurement of twist level in yarn of different variety such as single, plied, multi-filaments, OE yarns, carpet yarns, industrial yarns, etc.
- Test methods:
  - Traditional method: untwisting, re-twisting (for single spun yarns).
  - "Schutz" method: untwisting re-twisting and double counter-check (mainly for OE spun yarns and worsted wool yarns).
  - Direct method: untwisting (for plied yarns, threads and multifilament yarns).

- Test standards: UNI EN ISO 2061, ISO 2061, ISO 7211-4, ISO 17202, UNI 9067, UNI 9277, UNI 9069, ASTM D1422, ASTM D1423.
- Digital reading of turns up to 9999 (with  $\pm 1$  turn accuracy) displayed on a 4-digit digital display ( $\pm 1$  turn accuracy).
- Test Length: 10 mm to 500 mm (0.4 to 20 inch)
- Adjustable speed of moving clamps up to 2000 rpm by means of a potentiometer.
- Selective yarn pretension up to 70 cN.
- Suitable for both S and Z yarns with a count range from Nm 200 to Nm 0.5 (tex 5 – 2.000).
- High precision graduated elongation scale (in mm) to block the elongation index at the desired maximum elongation. A special scale for dipped tyre cord.
- Built-in digital tachometer and optical sensor with Led indicator showing correct “Zero” starting and ending position.
- Mechanical clamping system.
- Included accessories:
  - Magnifying lens.
  - Data acquisition software “Twist-Lab” to be used with an existing PC for statistical data and graph elaboration, print-out and data saving.
  - Cable for PC connection.
  - 500 mm fixed calliper to check the distance between the fixed and the moving clamps.
  - Pretension weights: 2, 3, 4, 5, 7, 10, 15, 20 and 30 cN, which can be combined to obtain a 70 cN pretension weight.
  - Bobbin holder suitable for bobbin unwinding.