

PORTABLE YARN STRENGTH TESTER

SPLICE SCANNER III



Portable electronic strength tester built in accordance with ISO, UNI, ASTM, DIN test methods.

Endowed with printer and USB port.

Compact and light, conceived to measure strength and elongation of parent and spliced yarns.

Specifically designed to be used in the production area near the machines (winding, ring spinning, O.E. frames, before/after yarn dyeing, etc).

At the end of the test, force and elongation results are displayed and can be printed together with statistics.

The instrument is supplied complete with case, for easy transport.

For a completely movable solution, ergonomic trolley and battery kit are available on demand.

SPLICE SCANNER III

CODE 2553

Technical features:

- Clamps distance: 250 mm.
- Testing speed: adjustable up to 1000 mm/min.
- Pretension: automatically adjustable according to the pre-set value.
- Measuring range: FORCE from 0 to 60 N (0-6 kg); ELONGATION from 0.5% to 45% (0-110 mm).
- Electro-magnetic clamps with automatic closure.
- Manual mechanical clamps for slippery or resistant yarns (available as optional).
- 3 different testing modes:
 - BASIC, for simple strength and elongation measurement.
 - STRENGTH TESTER, to obtain also the tenacity (RKM) value, in addition to the same measurements of the BASIC mode.
 - SPLICE SCANNER, for checking the splicer efficiency directly at the winding machine; this mode allows to perform tests on a reference parent yarn and to compare this result with those obtained on spliced yarns divided in groups (up to 10 tests; up to 64 groups), where every group corresponds to a winding head.
- Data output: force, elongation, tenacity (RKM) and the relative statistical analysis (min, average, max. CV%, etc.). Data are displayed on the screen, printed by the built-in printer, and saved on a USB flash memory.

```
*****
* MESDANLAB *
*****
18/02/2022 10:47:17
-----
Mode: Str. Tester
Test type: B
PROVA
Speed (mm/min): 500
Count unit: Tex
Count : 100.00
Ten[cN/Tex]: 2.480
RKM : 2.530
-----
STAT. ELONGATION (%)
Min 3.04 Max 3.81
Mean 3.37 Cv% 9.01
S 0.30 Ran 22.83
-----
STAT. FORCE (cN)
Min 219 Max 307
Mean 248 Cv% 14.78
S 36.66 Ran 35.48
-----
Nr. Elong. Force
01 3.23 % 226 cN
02 3.04 % 219 cN
03 3.54 % 261 cN
04 3.81 % 307 cN
05 3.23 % 228 cN
```



OPTIONAL ACCESSORIES

Manual mechanical clamps	Code 2550.120
Ergonomic trolley with battery kit compartment	Code 2550.150
Calibration report	Code 2553.CC1
Battery Kit, 115V - 230V	Code 2553.3240

REFERENCE STANDARDS

UNI EN ISO 2062, ASTM D2256

DIMENSIONS / POWER SUPPLY

Weight: 10 kg
Dimensions: (L) 450 x (W) 330 x (H) 140 mm.
Power supply: 115V/230, 50/60Hz