

**A** Hand-Held, mechanical
TEN Series**Model TEN**

11 tension ranges

from 0.5 cN - 3 cN to 50 - 170 cN

Special features:

- + 2-roller measuring system
- + Small, handy design
- + Large enlargement of thread for stable readings when tension fluctuates rapidly

Standard features:

- Ball-bearing mounted, V-grooved guide rollers
- Aluminium housing

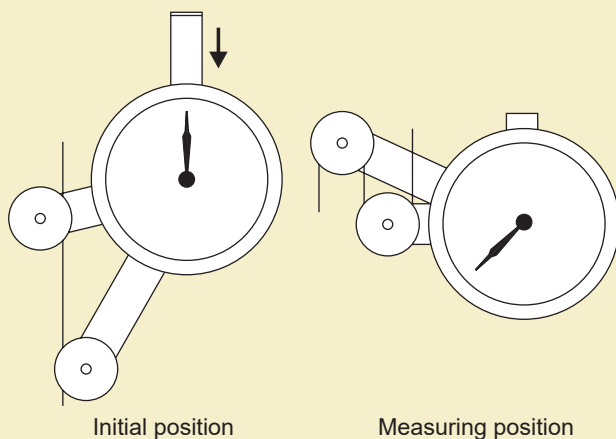
Available Models

Model

Tension Ranges
cN

TEN-3K	0.5-3
TEN-5K	1-5
TEN-10K	2-10
TEN-12K	2-12
TEN-20K	5-20
TEN-30K	5-30
TEN-50K	10-50
TEN-60K	10-60
TEN-70K	10-70
TEN-120K	20-120
TEN-170K	50-170

The instrument is designed for one-hand use. To thread in, place the yarn between the two guide rollers. Push and hold the key button at the instrument. The outer roller will be turned up and the instrument is ready for measuring. The measured value will be displayed at the analog display.



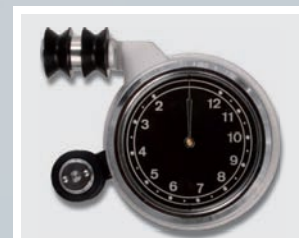
Initial position

Measuring position

Small, compact tension meter for
measuring fibers and threads

Model TEN-12K

Actual size



A stationary model is
available on request
(TEN-XX-S)

Guide Rollers

V-grooved

Standard

Line Speed
 $v_{max} \dots m/min$
Roller Material

900

Aluminium black colored

Specifications

TEN Series

Accuracy:	$\pm 7\%$ full scale up to 10 cN or $\pm 5\%$ full scale up to 30 cN or $\pm 2\%$ full scale for higher 30 cN
Scale diameter:	40 mm
Temperature range:	10 - 50 °C
Air humidity:	85 % RH, max.
Housing material:	Aluminium
Housing dimensions:	87 x 57 x 26 mm (L x W x H)
Weight, net (gross):	approx. 150 g (approx. 260 g)