

ZEF Series Digital Tension Meter

Economical tension meters instruments for checking fibers, yarns and fine wires

4 Tension ranges
from 0.5 - 50 g/cN to 1-500 g/cN

Special features

- + Coloured, backlight TFT-display with 3 different displays modes:
 - numeric
 - numeric with live bargraph
 - numeric with graph (time-tension)
- + The display rotates in 90° steps for better reading
- + Automatic „Zero-Setting“ in each measuring position using a special sensor technique
- + Selectable units of measurement: cN, g, N, lb
- + LiPo battery (approx. 25 h continuous use) with AC adapter
- + Storage of MIN, MAX, last reading, average and standard deviation per measuring interval
- + User-set MIN and MAX alarms with indication on display, if reading is out of limits
- + Adjustable electronic damping for better reading, if tension fluctuates
- + 3 separate calibration material memory locations for custom calibrations
- + Menu set-up in English, German Spanish, Portuguese or French language

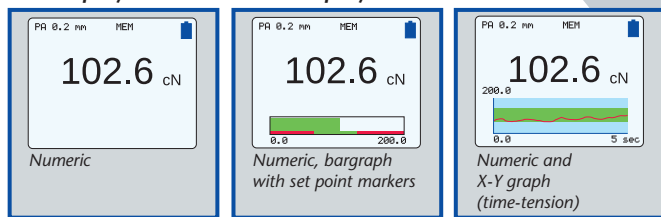


Slim filament guide with small guide rollers – ideal for limited access space

Model ZEF

A display with many possibilities

TFT-Display with 3 different display modes



Depending on the measuring position the TFT display is automatically rotating in 90° steps.



Available Models

MODEL	Tension Ranges g/cN	Measuring Head Width* mm	Calibration Material**
ZEF-50	0.5 - 50.0	43	PA: 0.12 mm Ø
ZEF-100	0.5 - 100.0	43	PA: 0.12 mm Ø
ZEF-200	1 - 200.0	43	PA: 0.12 mm Ø

* Width of filament guide

** Suitable for 95% of applications (see also chart on page 11)
PA = Polyamide Monofilament

Guide Rollers

V-grooved	Line Speed v _{max} ... m/min	Roller Material
Standard	900	Hard-coated aluminium
Code K	2000	Hard-coated aluminium
Code T	450	Plastic (POM) black
Code W	450	Nickel-plated steel

Special calibration using customer supplied samples is available:
Please supply a sample of at least 5 m in length.