



# ZE SERIES

3 Tension ranges  
from 0.5 - 100cN to 1 - 500cN

**Special features:**

- + Simple handling
- + »Zero setting« using a push button for measurement in different measuring positions
- + Easy to read LCD display
- + Filament guide and roller shifting mechanism ensure easy acquisition of the running material
- + Light weight
- + Battery operated
- + CE approved (tested for electromagnetic compatibility)

**Standard features:**

- Everything in operator's view:
  - the guide rollers
  - the measuring material
  - the readings
- Ball-bearing mounted, V-grooved guide rollers
- Housing made of high-strength plastic
- Specific Test Report with calibration report optionally available

*Economical low tension measuring instruments for checking fibers, yarns and fine wires*



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



**Model ZEF-100**  
Actual size

## Model ZEF

Available Models	Tension Ranges	Measuring Head Width*	SCHMIDT Calibration Material**
MODEL	cN	mm	
<b>ZEF-100</b>	0.5 - 100.0	43	PA: 0.12 mm Ø
<b>ZEF-200</b>	1 - 200	43	PA: 0.12 mm Ø

\* Width of filament guide  
\*\* Suitable for 95% of applications (see also chart on page 9)  
PA = Polyamide Monofilament

Guide Rollers	Line Speed	Roller Material
V-grooved	m/min... max.	
<b>Standard</b>	900	Hardcoated aluminium (No. R10010)
<b>Code K</b>	2000	Hardcoated aluminium
<b>Code T</b>	450	Plastic (POM) black
<b>Code W</b>	450	Nickel-plated steel

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fig. 1: Model ZEF-100-T with easy running plastic rollers to measure Spandex (Lycra) filaments

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