



ZE SERIES

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

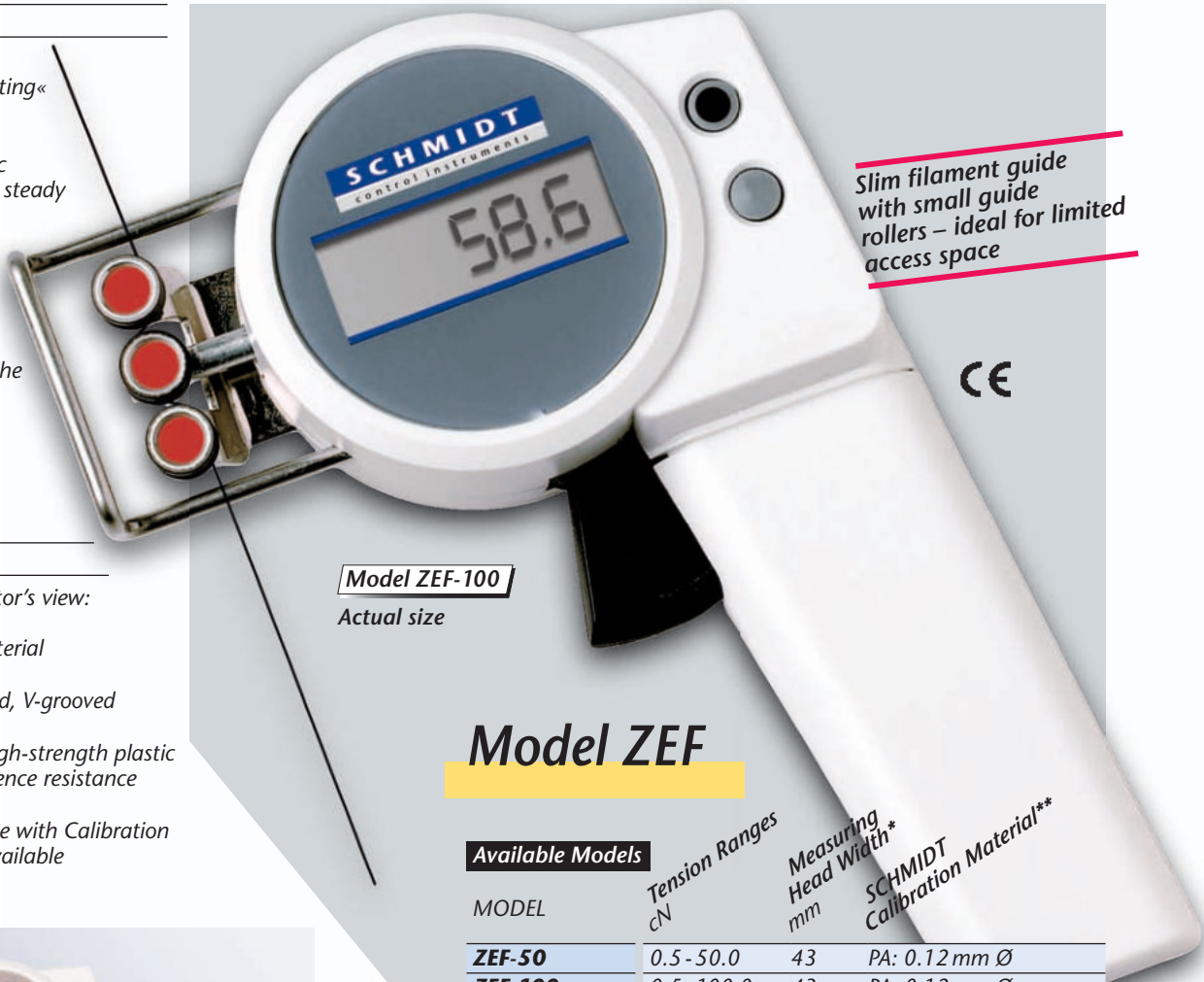
Special features:

- + Simple handling
- + Automatic »Zero setting« independent to measuring position
- + Adjustable electronic damping to provide steady tension readings
- + Easy to read LCD display
- + Filament guide and roller shifting mechanism ensure easy acquisition of the running material
- + Light weight
- + LiPo accumulator

Standard features:

- Everything in operator's view:
 - the guide rollers
 - the measured material
 - the readings
- Ball-bearing mounted, V-grooved guide rollers
- Housing made of high-strength plastic
- CE proofed, interference resistance about static charge
- Inspection Certificate with Calibration Report optionally available

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



Model ZEF-100

Actual size

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

Model ZEF

Available Models

MODEL	Tension Ranges cN	Measuring Head Width* mm	SCHMIDT 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	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

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

→ see page E →



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 5 m in length.