Digital TENSION METER

Model ZEF 0.5–100.0 g 1–200 g

Model ZED

1–500 g

The New CHECK•LINE® models ZEF and ZED employ a straingauge system for accurately measuring the running line tensions on a wide variety of yarns, fibers and fine wires. Its trigger-operated roller shifting mechanism makes it easy to acquire the running material.

Single-button *automatic zero* permits operation in any orientation while maintaining highest accuracy.

FEATURES

- Easy-to-read LCD display with auto power off
- Simple 2-key operation
- Powered by recheargable batteries
- ZEF V-grooved guide rollers are rated for speeds up to 900 m/min or, optionally, 2000 m/min
- ZED V-grooved guide rollers are rated for speeds up to 2000 m/min or, optionally, 3500 m/min
- Supplied in an attractive foam-fitted carrying case
- NIST Calibration available

<complex-block>

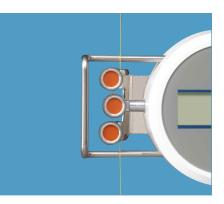
ZEF Models

Miniature rollers make these models ideal for delicate yarns/fibers and fine wires as well as those applications where access space is limited.

For Spandex and similar materials, specify model ZEF-100-T.

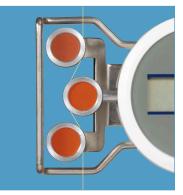
ZED Model

This model is recommended for all other applications where miniaturized rollers are not necessary.



CHECK·LIN

BY ELECTROMATIC



ZEF & ZED

TECHNICAL DATA & SPECIFICATIONS

Tension Ranges					
ZEF Models	ZEF Models ZED Model				
Model Number	Tension Range		Model Number	Tension Range	
ZEF-100-G	0.5–100.0 grams		ZED-500-G	1–500 grams	
ZEF-200-G	1–200 grams		L	<u> </u>	

Notes: 1. All models can be calibrated in cN. Replace suf fix "G" with suffix "CN". Example: ZED-500-CN.

- 2. ZEF models are calibrated using a 0.12 mm diameter monofilament. ZED models are calibrated using a 0.2 mm diameter monofilament.
- 3. Custom calibration with customer-supplied samples is optionally available. Inquire

Specifications

Measuring Principle	Strain Gauge	
Accuracy	±1% Full Scale, ±1 digit	
Outer Roller Distance	ZEF: 22mm (c:c) ZED: 38mm (c:c)	On/Off
Overrange Readings	10% Full Scale	NE°
Overrange Protection	100% Full Scale	4
Sensing Roller Deflection	0.5mm (maximum)	Auto Zero
Display Type	LCD, 10mm height	
Display Update Rate	0.5 seconds	
Natural Frequency	250 Hz	
Auto Zero	±20% Full Scale	
Battery Type	Built-in Li-On	
Battery Life	80 Hours Continuous Use (Approx.)	
Roller Material	Hard-coated Aluminum (standard) POM Plastic (Optional), specify suffix "-T"	
Max Linear Speed ZEF:	900 m/min (standard) 2000 m/min (optional), <i>specify suffix "-K"</i> 450 m/min (option "T")	
ZED:	2000 m/min (standard) 3500 m/min (optional), <i>specify suffix "-K"</i>	4770
Operating Temperature	50 to 100 °F <i>(10 to 45 °C)</i>	
Housing Material	High-Impact Plastic (POM)	
Dimensions	6.2 x 3.3 x 1.3" <i>(157 x 85 x 32 mm)</i>	All models are supplied in a
Weight	200 grams (Approx.)	foam-fitted carrying case

CHECK-LINE - PRECISION QUALITY CONTROL INSTRUMENTS

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FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER CALL TOLL FREE 1-800-645-4330

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