

TENSITRON®

A KTC Instruments Company



WX-1 SERIES

DIGITAL WEB TENSION METERS

CONVENIENT, RELIABLE TENSION TESTING FOR WIDE, FLAT MATERIALS

Improve production quality | Ensure consistency in manufacturing process | Ideal for moving applications



FAST & VERSATILE

Quickly and easily test tension

- Quick, easy, one-handed operation
- Versatile measurement for:
 - Fabric
 - Paper
 - Film
 - Plastic sheets
 - Metal foils
 - Conveyor belts



ACCURATE

Improve safety and performance

- Measures wide, flat materials
- Custom-calibrated for your application
- Tension ranges from 0.5 to 1000 lb.
- Selectable units (lb, kg, or daN)
- Analog or serial output (optional)



DEPENDABLE

Save time and costs with durable construction

- Long-lasting durable construction
- Continuous or single-point data storage
- Includes carrying case and NIST-traceable calibration certificate



CONVENIENT

User-friendly and easy to use

- Onboard data statistics
- Lightweight, portable
- Data averaging function evens out readings in fast-moving applications
- Easy-to-read, digital display
- Color-bar graphic provides quick visual of tension

Equipped with contact rollers at the end of 4" extensions. Ideal for flexible, flat materials, 8" wide or more, up to 1/8" thick.



SPECIFICATIONS

- DATA OUTPUT** Analog Output (Option A) OR RS-232 Serial Output (Option E)
- ACCURACY** Standard accuracy is **+/- 2% full-scale**. Accuracy may vary depending on the properties of the material measured.
- ROLLERS** 1.44" overall length (contact surface 1.15") at the end of 4" extensions.
- BATTERY** NiMH (NOT lithium ion). Rechargeable. Up to 8 hours continuous use per charge.
- WARRANTY** One year against factory defects.



MODEL	RANGE		RESOLUTION	TOLERANCE (+/- FULL-SCALE)	CALIBRATION
	MIN	MAX	LB	LB	LB
WX-25-1	0.5	25	0.2	0.5	WX-1 meters are custom-calibrated for each material to be measured. See box below for details.
WX-50-1	5	50	0.2	1	
WX-100-1	5	100	0.2	2	
WX-250-1	5	250	0.2	5	
WX-500-1	25	500	1	10	
WX-1000-1	50	1000	5	20	

*Contact Tensitron about measuring more rigid materials and/or diameters up to 3/4 in. (19mm)

CALIBRATION

Calibrated to user-specified materials (up to 10). When ordering, provide a 10-foot-long, 10-inch-wide sample of each material the meter will be measuring.

Within the tension ranges shown above, the meter can be scaled to your expected tension levels. This will improve accuracy at those tension levels.

WX-1 meters are calibrated by tensioning a 10 in.-wide piece of your material. Readings indicate direct tension, not PLI.