

### Convenient, reliable tension testing for wide, flat materials

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



### Dependable, Convenient Tension Measurement

- Measures wide, flat materials
- Custom-calibrated for your application
- Tension ranges from 0.5 lb. to 1,000 lb.
- Selectable units (lb., kg, or daN)
- Quick, easy one-handed operation
- Continuous or single-point data storage
- Onboard data statistics
- Analog or serial output (optional)
- Data averaging function evens out readings in fast-moving applications
- Easy-to-read, digital display
- Color-bar graphic provides quick visual of tension
- Lightweight, portable
- Long-lasting, durable construction
- Includes carrying case and NIST-traceable calibration certificate

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

### Versatile Tension Measurement for:

- Fabric
- Paper
- Film
- Plastic sheets
- Metal foils
- Conveyor belts

## Models

Model	Range (lb.)		Resolution (lb.)	Accuracy (+/- 2% full-scale)	Calibration
	Min.	Max		Lb.	
WX-25-1	0.5	25	0.2	0.5	<b>WX-1 meters are custom-calibrated for each material to be measured.</b>  <i>See below for details</i>
WX-50-1	1	50	0.2	1	
WX-100-1	1	100	0.2	2	
WX-250-1	1	250	0.2	5	
WX-500-1	1	500	1	10	
WX-1000-1	50	1000	5	20	

## 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.**

## Specifications

- Warranty: One year, against factory defects.
- Battery: NiMH (NOT lithium ion). Rechargeable. Up to 8 hours continuous use per charge.
- 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.
- Data Output: Request Analog (Option A) OR RS-232 Serial (Option E).

