

Reliable, convenient measurement of band tension

- Improve production quality and process control
- Ensure consistency in manufacturing and testing environments.



Dependable, Convenient Tension Measurement

- Measures narrow, flat materials
- Custom-calibrated for your application
- Tension ranges from 0.5 lb. to 500 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 rollers for measuring moving materials.

For straps and tie-downs securing loads or pallets, use an STX-1.

Versatile Tension Measurement for:

- Nylon straps
- Seat belts
- Narrow poly web
- Flat drive belts
- Small V belts (up to 1/8 in. stationary)
- Wide tape

Models

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

Calibration

- BTX-1 meters are calibrated to user-specified materials (up to 10). When ordering, provide a 10-foot-long 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.
- Standard accuracy is +/- 2% full-scale. Accuracy may vary depending on the properties of the material measured.

Specifications

Warranty: one year against factory defects

Battery: NiMH (NOT lithium ion). Rechargeable. Up to 8 hours continuous use per charge.

Options

Data Output:

- Analog Output (Option A) OR
- RS-232 Serial Output (Option E)

Rollers: Standard rollers are 2" long, Delrin. For 3" length or other materials (stainless steel, aluminum) order Custom Rollers (Option R)

