

BTX-1 Series Digital Tension Meters For Wide Bands

Versatile tension measurement for:

Bands and other materials:

- Moving or static
- Tension 5 - 2000 lb.
- Thickness up to 1/8"

Easy to use:

1. Turn unit on and select material to be measured.
2. Position material between rollers.
3. Squeeze lever to tighten rollers.



Improve Process Control and Production Quality

Ideal for nylon straps, seat belts, narrow poly web, flat drive belts, small V belts, wide tape, and more

- Superior technology
- Easy operation
- High precision
- Powerful features

Features:

- Accurate +/- **2% full-scale** (standard)
- Large, clear, color display
- Displays tension in lb., daN or kg
- Dynamic Bar Graph provides quick, color visual of tension levels
- Single-point or continuous data storage
- Calculates Data Statistics (count, max, min, average, standard deviation)
- Stabilizes readings on moving material with adjustable LCD refresh rates and data averaging
- Rechargeable battery offers up to 12 hours of continuous use
- Lightweight, protective carrying case included

- Data can be output to an electronic device with RS-232 or analog output option
- One-year warranty against factory defects
- Calibration certificate included with values traceable to NIST Standards
- Made in the USA

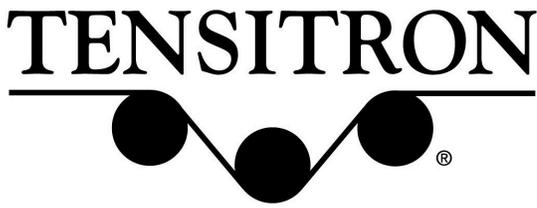


Made in USA

Calibration:

- ◆ Measures up to 10 materials
- Calibration is customized to your application, using samples of your material(s)
- Scaled to your expected tension range for maximum accuracy
- ◆ For stationary, narrow strap (such as strapping for palletized goods), use the **STX-1 Series**. For wide, web material, use the **WX-1 Series**.

TO ORDER: Email: Sales@Tensitron.com, T: 303-702-1980, F: 303-702-1982
TENSITRON ~ 733 S. Bowen Street, Longmont, CO 80501, USA
SEE OUR WEBSITE: www.Tensitron.com



BTX-1 Series Digital Tension Meters For Wide Bands

Models:

| <u>Model</u> | <u>Tension Range</u> | | <u>Resolution</u> |
|--------------|----------------------|--------------|-------------------|
| BTX-50-1 | 5 - 50 lb. | 2.2 - 22 kg | .5 lb. |
| BTX-100-1 | 5 - 100 lb. | 2.2 - 45 kg | .5 lb. |
| BTX-250-1 | 5 - 250 lb. | 2.2 - 113 kg | .5 lb. |
| BTX-500-1 | 25 - 500 lb. | 11 - 226 kg | 1 lb. |

BTX-1 Calibration and Accuracy

BTX-1 meters are calibrated to specific materials (up to 10). When ordering, please provide a 10-foot-long sample of each band the meter will be measuring.

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

Standard accuracy is **+/- 2% full-scale**. Accuracy may vary depending on the properties of the material measured.

V-Belts

V-Belts up to 1/8" thick can be measured if they are **stationary**.



Options:

| <u>Part No.</u> | <u>Option Name</u> | <u>Option Description</u> |
|-----------------|-----------------------|---|
| -A | Analog Output | Outputs continuous tension readings for remote monitoring and automatic responsive action |
| -E | RS-232 Digital Output | Outputs stored or real-time tension values to your electronic device |
| -R | Custom Rollers | BTX-1 meters come standard with 2"-long Delrin rollers. Rollers are also available in 3" lengths, or in stainless steel or aluminum |

Specifications:

Battery:

NiMH (NOT lithium ion). Rechargeable. Up to 12 hours continuous use per charge.

Power supply:

Input: 100-240VAC, 50-60Hz, 0.48A

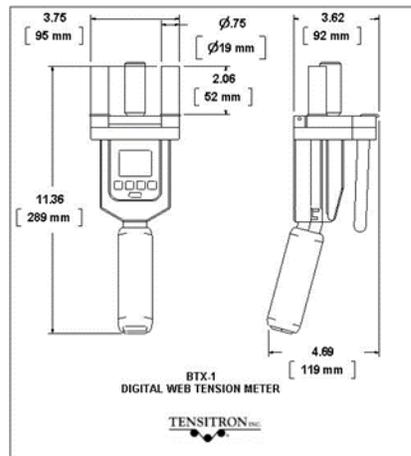
Output: 9 VDC, 2.2A

Weight & Dimensions:

Meter Weight 3.1 lb. Dimensions 3.8" x 11.4" x 4.7"

Items Included:

Meter comes with protective carrying case, charger, plug adapters, operating instructions, and NIST-traceable calibration certification



WX-1 Dimensions



Carrying case with instrument, calibration certificate, charger, adapters, and operating instructions.

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