LX SERIES

PRECISION DIGITAL TENSION METERS

ACCURATE
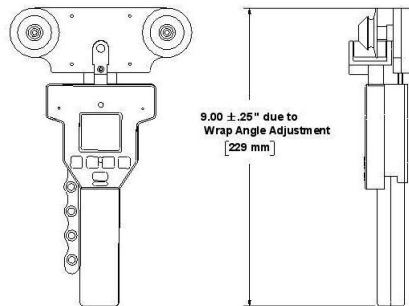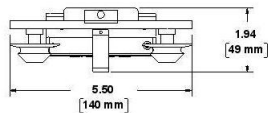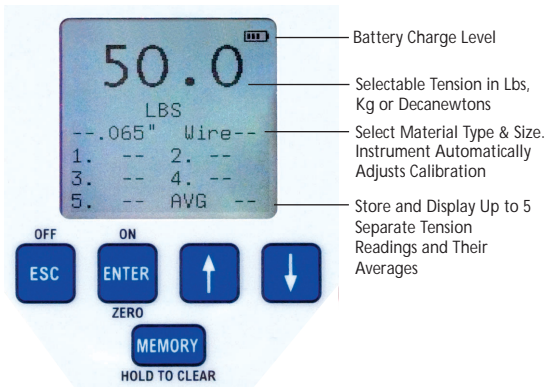
DEPENDABLE

RELIABLE

TENSITRON

LX

- Large, easy to read, graphic display with adjustable backlighting and contrast.

- Select tension values to indicate in Lbs, Kg or Decanewtons.

- Display shows Tension, Battery Charge level and Material selected.

- Push a button to activate the Memory Function to store and display up to five separate tension readings plus the average value (AVG) of these stored readings.

- Accuracy is +/- 2% full-scale for all menu-selectable calibrations. Accuracy for custom calibrations is material specific.

- Up to 10 calibrations can be programmed into instrument. (All calibrations are password protected to provide due diligence against unauthorized changes).

- Adjustable LCD refresh rates allow for stable digital readings.

- All models typically available from stock.

- All models factory calibrated and ready for use.

- All calibration values traceable to National Standards.

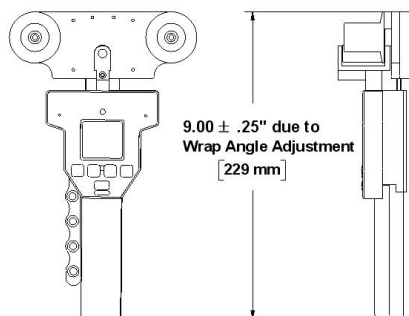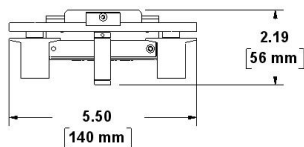- Calibration certificate included.

TENSITRON INC.

The industry standard in tension meters and tension measuring since 1935

Battery Charge Level

Selectable Tension in Lbs, Kg or Decanewtons

Select Material Type & Size. Instrument Automatically Adjusts Calibration

Store and Display Up to 5 Separate Tension Readings and Their Averages

LX SERIES

Use the LX-Series on round-shaped materials with tension ranges above 5 lbs.

LXR SERIES

Use the LXR-Series for flat, thin materials up to 1″ wide, such as tapes or ribbons.

STANDARD INSTRUMENTS*

MODEL	RANGE		RESOLUTION
LX-250	5-250 LB	Grooved Pulleys	0.5 LB
LX-500	25-500 LB	Grooved Pulleys	1 LB
LXR-250	5-250 LB	1″ Tape Roller	0.5 LB
LXR-500	25-500 LB	1″ Tape Roller	1 LB

* Please provide material's thickness, width, or diameter with order.

AVAILABLE OPTIONS FOR ALL INSTRUMENTS

Note: Add option designator to the end of the part number. (for example, a Model LX-250-E denotes a standard, LX-250 with the optional RS-232, serial output function installed).

–A **Analog Output option.** 0-5 VDC or 4-20 mA with software-definable ending sequences. Provided with 10′ cable. Data outputted at 40 Hz.

–E **RS-232 Serial Output option.** Provided with 10′ cable to interface with your receiving device. Select data sampling rate from 1, 2 or 5 Hz.

• **Input Real-Time Serial Data** into any Windows® application using the optional software WinWedge Pro® for Windows, or configure your Window's® operating system to capture the data via Hyper Terminal®.

SPECIFICATIONS

• Approximate weight is 1-1/2 lb (Weight varies depending upon instrument configuration).

• Re-chargeable NIMH battery with power supply provided. Approximately 6 hours of operation per battery charge depending upon backlighting intensity.

• Power Supply operates with input voltages from 100 – 240V and includes several, interchangeable "blades" allowing use with European, US, Australian and other plug configurations.

• Automatic shutoff after 10 minutes of non-use.

• Instruments may be operated continuously while connected to power supply.

• Durable, lightweight carrying case with protective foam inserts.

• CE certification complying with heavy, industrial immunity standards.