

LX-1 Series Digital Tension Meters

For medium wire and other materials

Versatile tension measurement for:

Medium-sized materials, moving or static, **tension 5 - 500 lb.**, including:

- Copper wire 1 - 19 AWG
- Tape or bands up to 1" wide
- Steel wire up to .08" / 2mm
- Braided cable up to 1/4" / 6.3mm

Easy to use:

1. Turn unit on and select material to be measured.
2. Rotate lever out. Place material under rollers. Tighten lever to engage material.
3. Tension will display.



Convenient, quantifiable quality control

Ideal for coil winding, EDM wire, textile manufacturing, and more.

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

Features:

- Calibrated for up to 10 materials
- Accurate +/- **2% full-scale** (standard)
- Measures static or dynamic material
- Large, clear, color display
- Displays tension in lb., daN or kg

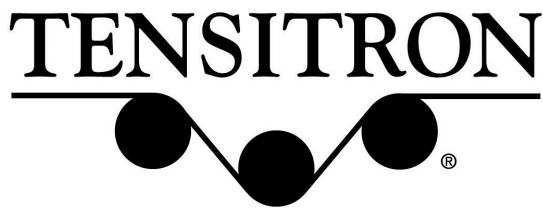


- Dynamic Bar Graph provides quick, color visual of tension levels
- Stores tension readings with one touch
- Calculates Data Statistics (count, max, min, average, standard deviation)
- Stabilizes readings on moving material with adjustable LCD refresh rates and data averaging
- Rechargeable battery powers the instrument for up to 12 hours of continuous use
- One-year warranty against factory defects
- Lightweight, protective carrying case included
- Data can be output to an electronic device with RS-232 or analog output option
- Calibration certificate included with values traceable to NIST Standards
- Made in the USA



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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



LX-1 Series

Digital Tension Meters

For medium wire and other materials

Models: LX-1 meters are calibrated to specific materials (up to 10). When ordering, provide material description or sample.

Type	Model	Materials Measured	Resolution	Tension Range	
		Available range depends on material. These materials are examples only. Ask Tensitron about materials not listed.			
Low-Range LX-1	LX-50-1	Minimum diameter: .04” , 1/16”, 1mm, 19 AWG Maximum diameter: Copper wire 12 AWG	.5 lb.	5 - 50 lb.	2.2 - 22 kg
	LX-100-1		.5 lb.	5 - 100 lb.	2.2 - 45 kg
Standard LX-1	LX-250-1	Minimum diameter: .04” , 1/16”, 1mm, 19 AWG Maximum diameter: Copper wire 12 AWG Steel wire .04”, 1mm Braided cable 5/32”, .16”, 4 mm	.5 lb.	5 - 250 lb.	2.2 - 113 kg
	LX-500-1		1 lb.	25 - 500 lb.	11 - 226 kg
Wide LX-1	LX-100-W-1	Minimum diameter: 11 AWG Maximum diameter: Copper wire - 1 AWG Steel wire .08”, 2mm Braided cable 1/4”, 6.3mm	.5 lb.	5 - 100 lb.	2.2 - 45 kg
	LX-250-W-1		.5 lb.	5 - 250 lb.	2.2 - 113 kg
	LX-500-W-1		1 lb.	25 - 500 lb.	11 - 226 kg

Options:	Part No.	Option Name	Option Description
	-A	Analog Output	Outputs continuous tension readings for remote monitoring and automatic responsive action
	-E	RS-232 Digital Output	Uploads stored or real-time tension values to your electronic device
	-R	Custom Rollers	Standard rollers are radiused (curved surface) for round materials. Scooped rollers (flat surface) are available for flat materials. Both radiused and scooped rollers measure up to 5/16" (.312", 8mm). For materials wider than 5/16", order 1" cylindrical rollers.

Specifications:

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

Power supply:

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

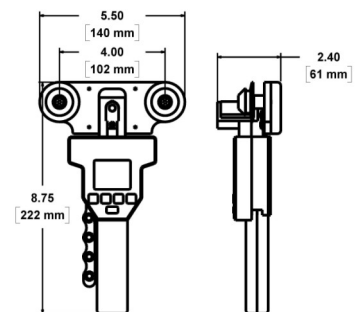
Output: 9 VDC, 2.2A

Weight & Dimensions:

Instrument only: 1.5 lb., 5.50" x 8.75" x 2.40" (See Figure)

Instrument & Case: 5 lb., 17" x 12" x 4"

Shipment weight & dimensions (1 unit in case): 6 lb., 18" x 14" x 6"



LX-250-1
DIGITAL CABLE TENSION METER
(All Models: LX-250-1 and LX-500-1)

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