



CX-1 Series Digital Tension Meters

For large cables and other materials



Versatile tension measurement for:

- Cable, wire rope, and more
- Flexible materials
- 1/16" to 3/4" diameter (1.6 - 19 mm)
- Tension 10 - 2,000 lb. (5 - 907 kg)
- Static or slowly moving applications

Easy to use:

1. Turn unit on and select material.
2. Place material on rollers, then tighten lever to engage.
3. Tension will display.

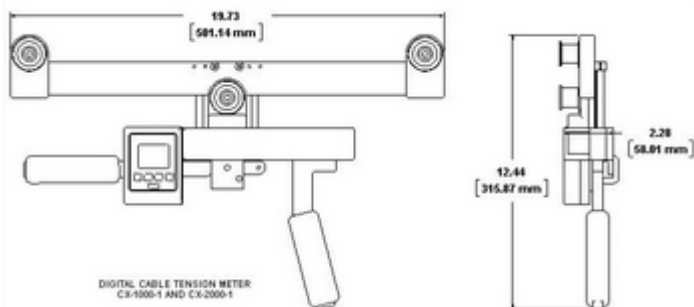
Precise, convenient tension measurement for large, flexible cables

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

Ideal for catenary systems, elevator maintenance, telecommunications cable, guy wire, zip lines, theater rigging, and more

Features and Specifications:

- Calibrated for up to ten materials
- Accurate +/- 2% full-scale
- Large, clear, color display
- Shows tension in lb, kg, or daN
- Dynamic Bar Graph provides quick, color visual of tension levels
- Stores tension values with one touch

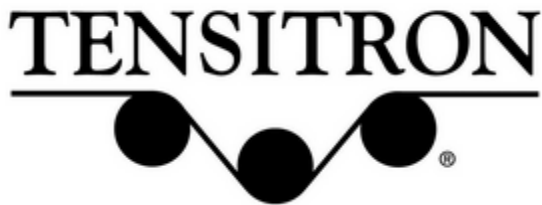


- Calculates Data Statistics (count, max, min, average, standard deviation)
- Stabilizes readings on moving material with adjustable LCD refresh rates and data averaging feature
- One-year warranty against factory defects
- Data can be output to an electronic device with RS-232 or analog output options
- Calibration certificate included with values traceable to NIST Standards
- Includes power supply: Input: 100-240VAC, 50-60Hz, 0.48A, Output: 9 VDC, 2.2A
- Rechargeable NiMH battery is safe for air transport and provides up to 12 hours continuous use per charge.
- Made in the USA



Made in USA

TO ORDER: Email: info@thomasklein.de,
Tel +49 (0) 7153 37333 Fax +49 7153 38531
Thomas Klein, Daimlerstr. 13-15, DE73249 Wernau (Neckar)
SEE OUR WEBSITE: www.tensitron.eu or www.thomasklein.de



CX-1 Series

Digital Tension Meters

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Models:

Each CX-1 is custom-calibrated for user-specified material(s).

The meter can be calibrated for up to 10 materials.

To order, provide a description or 10' / 2m sample of each material to be included in the calibration menu.

Standard CX-1 Instruments (19.73"-wide profile)

<u>Model</u>	<u>Range</u>		<u>Min/Max Cable Diameter</u>	<u>Accuracy</u>	<u>Resolution</u>
CX-1000-1	50 - 1,000 lb	23 - 453 kg	1/8" - 3/4" (3 - 19 mm)	+/- 20 lb (9 kg)	5 lb
CX-2000-1	100 - 2000 lb	46 - 907 kg		+/- 40 lb (18 kg)	10 lb.

Compact CX-1 Instruments (15"-wide profile)

<u>Model</u>	<u>Range</u>		<u>Min/Max Cable Diameter</u>	<u>Accuracy</u>	<u>Resolution</u>
CX-1000-SM-1	50 - 1,000 lb	23 - 453 kg	1/8" - 3/8" (3 - 9 mm)	+/- 20 lb (9 kg)	5 lb
CX-2000-SM-1	100 - 2000 lb	46 - 907 kg		+/- 40 lb (18 kg)	10 lb.

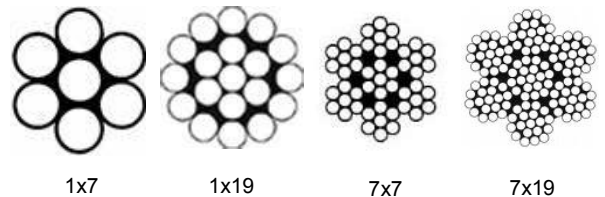
Low-Range CX-1 Instruments (15"-wide profile)

<u>Model</u>	<u>Range</u>		<u>Min/Max Cable Diameter</u>	<u>Accuracy</u>	<u>Resolution</u>
CX-250-SM-1	10 - 250 lb	5 - 113 kg	1/16" - 3/8" (1.6 - 9 mm)	+/- 5 lb (2.2 kg)	0.5 lb
CX-500-SM-1	25 - 500 lb	11 - 226 kg		+/- 10 lb (4.5 kg)	1 lb.

Wire rope construction:

CX-1 instruments only measure flexible materials.

For wire rope with 1x7 or 1x19 construction (or similar), the largest diameter a CX-1 can measure is about 3/8" (9mm). For wire rope larger than 3/8", the construction must be 7x7, 7x19, or similarly flexible.



1x7

1x19

7x7

7x19



<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	Uploads stored or real-time tension values to your electronic device
CASE-CX	Heavy duty case	Case is optional. Without it, meter ships in a reusable, foam-lined cardboard box.

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