

TENSITRON®

A KTC Instruments Company



CX-1 SERIES

CABLE AND WIRE ROPE DIGITAL TENSION METER

SAFELY INSTALL OR MONITOR CABLES, WIRE ROPE, AND OTHER MATERIALS

Achieve consistent tension to avoid mechanical stresses, and minimize the risk of damage on cables.



FAST & VERSATILE

Quickly and easily test cable and wire rope tension

- Quick, easy operation
- Can be used on:
 - Catenary systems
 - Elevator cables
 - Telecommunications cables
 - Guy wires
 - Zip lines
 - Entertainment rigging
 - Safety cables
 - Tension wire



ACCURATE

Improve safety and performance

- Measures tension from 10 to 2,000 lbs. on flexible cables from 1/16" to 3/4" in diameter
- Selectable units (lb, kg, or daN)
- Measures slowly moving or stationary materials
- Analog or serial output (optional)
- Custom-calibrated for your application



DEPENDABLE

Save time and costs with durable construction

- Durable, reliable construction
- Continuous or single-point data storage
- Secure-grip handles
- Includes carrying case and NIST-traceable calibration certificate



CONVENIENT

User-friendly and easy to transport

- Equipped with rollers for moving materials
- Easy-to-read backlit, digital display
- Color-bar graphic provides quick visual of tension levels



SPECIFICATIONS

- CALIBRATION** CX-1 meters are custom-calibrated for each material to be measured. Up to 10 calibrations are available. A 10-foot sample of each material will be needed for the calibration.
- ACCURACY** +/- 2% full-scale. Accuracy may differ depending on material measured.
- DATA OUTPUT** Analog Output (Option A) OR RS-232 Serial Output (Option E)
- ROLLERS** Standard CX-1 rollers are flanged, with 7/8" outside diameter and working length of 3/4". For flat materials, order 2" or 3" cylindrical rollers are available (Option R).
- BATTERY** NiMH (NOT lithium ion). Rechargeable. Up to 8 hours continuous use per charge.
- WARRANTY** One year against factory defects.



STYLE	MODEL	RANGE		RESOLUTION	TOLERANCE (MATERIAL DEPENDENT)	MAXIMUM 7x19 WIRE ROPE*
		MIN LB	MAX LB	LB	LB	
Small (15" wide)	CX-250-SM-1	20	250	0.2	+/- 5	3/16" (4.8 mm)
	CX-500-SM-1	20	500	1	+/- 10	
	CX-1000-SM-1	50	1000	5	+/- 20	
Medium (16.73" wide)	CX-1000-M-1	50	1000	5	+/- 20	1/4" (6.35 mm)
	CX-2000-M-1	100	2000	10	+/- 40	
Standard (19.73" wide)	CX-1000-1	50	1000	5	+/- 20	3/4" (19 mm)
	CX-2000-1	100	2000	10	+/- 40	

*Contact Tensitron about measuring more rigid materials and/or diameters up to 3/4 in. (19mm)