

# 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			
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)