

CTM SERIES

Portable Cable Tension Meter

Measures Cables: 3/16" – 1" OD (5mm – 25mm)

Capacity: CTM-2000 — 2000 lb / 10 kN / 1000 kg
CTM-10000 — 10000 lb / 45 kN / 4500 kg

NIST Calibration Certificate included

2 Year Warranty

Check-Tensioning mode saves time

Portable and rugged – designed for outdoor use

Built-in averaging saves time and eliminates errors

Stores calibrations for 15 unique wire sizes and types

The Check-Line Digital Cable Tension Meter quickly measures tension in cable guardrails, guy lines and overhead wires. It installs, measures and removes in seconds. The digital loadcell is highly accurate and requires no lookup or correction tables.

The Fastest Cable Tension Meter

The CTM can be placed on a cable, measure its tension, and removed in under five seconds! There are no complex lookup tables, no conversion charts. The operator can quickly select from 15 different wire sizes and types stored in Quick-Check's memory. The Check-Tensioning mode graphically displays the current and target tensions for extremely quick setting of line tension. Even the infrequent battery changes are quick.

Broad Application

The CTM can be employed in many industries to ensure proper tensioning. Typical applications include tower and stack guy wires, pretensioned cable barriers, bridges, elevators, winch rope, prestressed concrete, fall arrest systems, aircraft cables and utilities.

Heavy-duty plastic construction with custom foam inserts to secure the CTM tension meter and accessories.
HIGHLY RECOMMENDED.



Specifications

Capacity	CTM-2000 - 2000 lb / 10 kN / 1000 kg CTM-10000 - 10000 lb / 45 kN / 4500 kg
Wire sizes	3/16" up to 1" (4.75 up to 19mm)
Accuracy	±3% instrument capacity
Resolution	Configurable low / med / high
Number of calibrations	Up to 15 can be stored independently
Operating temperature	-4 °F to 140 °F (-20 °C to 60 °C)
Loading error	Cable elongation of only 0.08" (2mm)
Display	Dot-graphic LCD display supports full text and 1 inch high digits
Sheave range	Sheave accommodates rated wire size and 1/2" smaller. Sheaves are not compatible with larger wire sizes—order additional sheaves for larger wire sizes.
Units Of Measure	Pound-force, kilogram force, Newtons
Environment protection	Suitable for continued outdoor use
Dimensions	10" x 23" x 3" (25 x 59 x 8 cm)
Weight	Approx 11 lb (5 kg)
Warranty	2 Years

Specifying Sheave Sets

Four sheave sizes are available (see below). For most applications one sheave set is sufficient for the entire assortment of wire tensions. If you need to check tension in both 3/16" and 3/4" rope, then you should order two sheave sets. The operator must use the appropriate sheave set for the wire size and calibration stored. Changing sheave sets takes about two minutes using the included wrench.

CTM-SH-L	Sheave for wires up to 1/4"
CTM-SH-P	Sheave for wires up to 1/2"
CTM-SH-S	Sheave for wires 1/4" to 3/4"
CTM-SH-T	Sheave for wires 1/2" to 1"

