



Quick-Check Tension Meter

The Dillon Quick-Check 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.



- Time saving check-tensioning mode ←
- Portable and rugged – designed for outdoor use ←
- Built-in averaging saves time and eliminates errors ←
- Factory calibrated for up to 15 unique wire sizes and types ←

Overload Protection and
Overhead Weighing Equipment

DILLON



Sheaves with bearings eliminate friction and provide the best accuracy

Accommodates a wide range of wire sizes and styles

Telescoping handle engages meter quickly with minimal effort

Highly visible yellow finish

Easy-to-read display with full-text prompts

Easy to use soft-key interface

Uses popular AA batteries and has long life between changes

The Fastest Cable Tension Meter

The Dillon Quick-Check 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 Quick-Check 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.

Specifications

Tension capacities:

2000 lb/10 kN/1000 kg
8000 lb/35 kN/3500 kg

Wire sizes:

$\frac{3}{16}$ inch through 1 inch

Accuracy: $\pm 3\%$ instrument capacity (calibrated to specific wire size & type $\pm 5\%$ with same wire diameter as calibrated but different wire type)

Loading error:

Cable elongation of only 0.08 inch (2mm)

Display: Dot-graphic LCD display supports full text and 1 inch high digits.

Sheave range: Set accommodates rated wire size and $\frac{1}{2}$ " smaller. Multiple sheave sets may be used.

Suggested wire calibrations:

Calibrate each wire diameter needed with the most appropriate sheaves. If two wire types are used of the same diameter (e.g. $\frac{1}{2}$ " 1x7 and $\frac{1}{2}$ " 6x19), calibrate each type independently if accuracy is critical.

Environment protection:

Suitable for continued outdoor use.

Operating range:

-4°F to 140°F (-20°C to 60°C)

Tension units of measure:

pound-force, kilogram force, Newtons

Resolution: configurable low/med/high

Recalibration: At user discretion. Commonly 24 months but should be more frequently with heavy use. Factory recalibrations conducted typically in 2-4 days. On-site recalibration may be possible through your Dillon distributor.

Size: 10 x 23 x 3 inch (25 x 59 x 8 cm)

Weight: Approx 11 lb (5 kg)



Carrying case available.

Dillon also manufactures highly accurate tensionmeters, mechanical dynamometers and crane scales.



AUTHORIZED DISTRIBUTORS

Ask the experts. Dillon distributors offer complete service capabilities from application assistance to sales and product support. Their experienced representatives are the most knowledgeable experts that you will find in the force measurement industry. We recommend that you consult these capable specialists for all of your measuring needs.

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