



# Tension Meter

# The fastest cable tension meter

## Dillon Quick-Check Tension Meter

**Part No: AWT05-508111**

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.

- Store wire rope readings and export data (Ideal for tower data collection)
- 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 20 unique wire sizes and types

## 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 20 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, overhead electric transit wires, fall arrest systems, aircraft cables and utilities.



**DILLON**

- Tower and stack guy wires
- Cable barriers
- Overhead transit wires
- Public Utilities
- Fall arrest
- Aircraft cables

## Specifications

### Tension capacities:

10 kN/1000 kg or 45 kN/4500 kg

**Wire sizes:** 4.75 mm through 25.4 mm

**Accuracy:** + 3% instrument capacity (calibrated to specific wire size and type)

**Loading error:** Cable elongation of only 2mm

**Display:** Dot-graphic LCD display supports full text and 25mm high digits

**Sheave range:** Each set accommodates rated wire size and 12mm 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 different diameters (e.g. 17-2.75 & 19-2.00), calibrate each type independently.

### Environment protection:

Suitable for continued outdoor use

### Operating range:

-20° C to 70° C

### Tension units of measure:

Pound-force, Kilogram force, Newtons

**Resolution:** Configurable low/med/high

**Size:** 250 x 590 x 80 mm

**Weight:** Approx 5 kg

**Recalibration:** At user discretion. Commonly 12-24 months; should be more frequent with heavy use.

**Approvals:** CE



RS-232 port



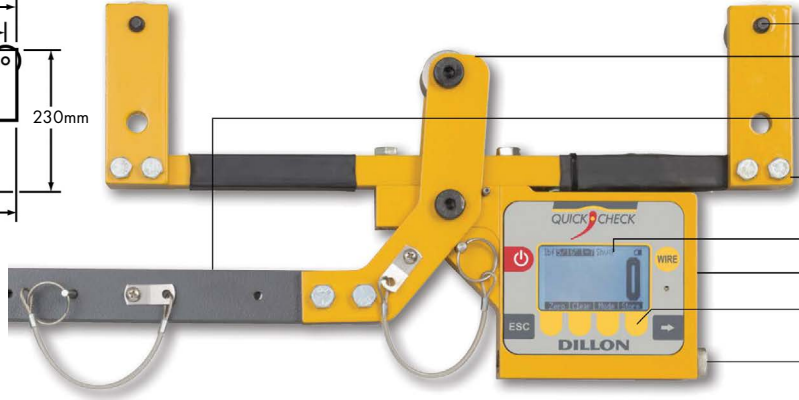
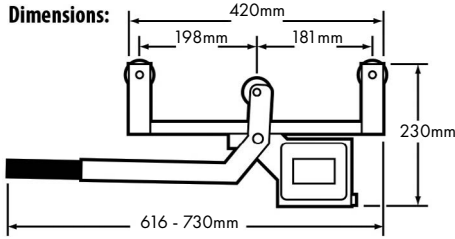
Carry case included





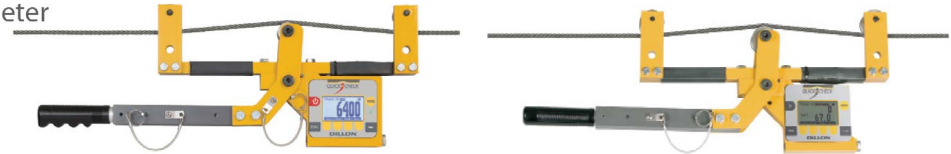
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## Dillon Quick-Check Tension Meter



- 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 backlit display with full-text prompts
- RS-232 Port
- Easy to use soft-key interface
- Uses popular AA batteries and has long life between changes

Quick-Check Tension Meter Comparative Matrix



	Quick-Check Red	Quick-Check
<b>Industries</b>	Tower and stack guy wires, cable barriers, overhead transit wires, bridges, fall arrest, stage support, aircraft cables and public utilities	
<b>Capacities</b>	1,000 kg or 4,500 kg	
<b>Rope Calibrations</b>	Up to 20 (must be specified at time of order)	Up to 15 (must be specified at time of order)
<b>Cable Diameter Range</b>	4.75mm to 25.4mm	
<b>Display</b>	Informative Display: Shows: Unit, Wire Type, Sheave & Battery	Shows: Unit, Wire Type & Battery
<b>Date and Time</b>	Included	No
<b>Calibration Reminder</b>	Included (setup by distributor)	No
<b>AZT (Automatic Zero Tracking) &amp; Filtering</b>	Configurable AZT and Filtering	Fixed
<b>RS-232 Port</b>	4-Pin Lemo RS-232 output	No
<b>Carry Case</b>	Included	Optional
<b>Enclosure</b>	Suitable for continuous outdoor use	
<b>Units of Measure</b>	lbf, kgf and Newtons	
<b>Temperature Range</b>	-20° C to 70° C	-20° C to 60° C
<b>Backlight</b>	Included (configurable intensity and timer)	No
<b>Power</b>	2 - AA Batteries	
<b>Battery Life - Tested with backlight off</b>	10Hz = over 250 hrs continuous 100Hz = over 100 hrs continuous	N/A
<b>Accuracy</b>	3% Full Scale	
<b>User's Manual</b>	Included, CD	
<b>Pass/Fail Tensioning Mode</b>	Yes	
<b>Warranty</b>	2 Years	
<b>Weight</b>	5kgs	
<b>Tower Mode</b>	Stores wire rope readings to be exported later (Stores each Leg and Wire)	No
<b>Quick-Check Calibrated to most popular Cell Tower Guy Wires</b>	Yes, now available as a new P/N, see price sheet for details	No

**Improvements**

