

QUICK BALANCE ▶ ◀

# Quick Balance Tension Meter

The Dillon Quick Balance tension meter quickly measures tension on elevator traction cables or other cable sets, recording individual readings, averages and total readings. Quick Balance installs, measures and removes in seconds, giving accurate digital readings up to 10,000 lbs. No lookup or correction tables required, and no need to write down readings for comparisons.

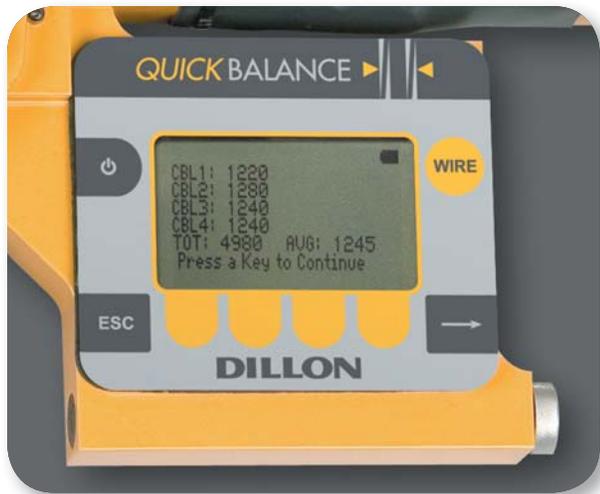
- ▶ Significant labor and time savings
- ▶ Safety improvement in measurement method
- ▶ View and balance up to 16 lines in minutes
- ▶ Measures total force quickly and easily
- ▶ Default of three wire rope sizes (included) with the ability to add 5 more wire ropes
- ▶ Elevator Inspections
  - Quickly balance wire ropes
  - Measure total weight of car



**DILLON**  
Force Measurement Equipment

Accurately  
Weighs Elevator  
Cars in Seconds





- ▶ Accommodates a wide range of wire rope sizes and styles
- ▶ Highly visible yellow finish
- ▶ Easy-to-read backlit display with full text prompts
- ▶ Easy to use soft-key interface
- ▶ Uses popular AA batteries and has long life between changes

Display showing cable summary screen.

## The Fastest Cable Tension Meter

Quick Balance can be placed on a cable, measure its tension and removed in seconds! There are no complex lookup tables and no conversion charts. The operator can quickly select from different wire rope sizes and types stored in the Quick Balance memory. Once a set of measurements has been taken the operator can adjust various tensions in the check tensioning mode which displays both current and target settings of individual cables.

## Broad Application

Quick Balance can be employed in many industries for the balancing of multiple line installations. Typical applications include elevators, tower and stack guy wire rope and crane rigging sets.

## Specifications

### Tension capacities:

10,000lb/45kN/4500kg

### Wire rope sizes and types:

3/16" to 1" possible  
 1/2" 8 x 19 Included  
 9/16" 8 x 19 Included  
 5/8" 8 x 19 Included

Up to 5 other size and wire types may be added.

### Accuracy: ± 3% of full scale.

Calibrated to specific wire rope size and type; ± 5% with same wire rope diameter as calibrated but different wire rope type.

### Number of calibrations:

3 factory installed wire rope sizes:

1/2" 8 x 19  
 9/16" 8 x 19  
 5/8" 8 x 19

Up to 5 additional wire rope types can be stored independently

### Loading error: Cable elongation of only 0.08" (2mm)

**Display:** Dot graphic, backlit LCD supports full text and 1.0" high digits

**Sheave range:** Supplied with one set of sheaves (1/4" to 3/4" in range). Other selections may be ordered as necessary.

### Environmental 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 for low, medium or high

**Product dimension:** 9 x 24 x 3 inch (22 x 61 x 8 cm)

**Product weight:** Approx 11 lb (5 kg)

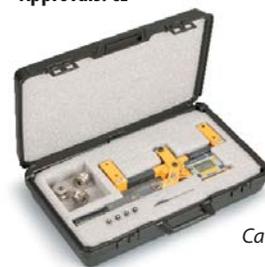
### Shipping dimension:

28 x 16 x 8 inch (71 x 41 x 20 cm)

**Shipping weight:** 27 lb (12 kg)

**Recalibration:** At user discretion. Common calibration period is 24 months but should be more frequent in heavy use applications. Factory calibrations typically completed in 2 to 4 days. On site calibration may be possible through your Dillon distributor.

**Approvals:** CE



Carrying case included

Dillon also manufactures highly accurate tension meters, 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.

### DILLON USA

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# DILLON

Force Measurement Equipment

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