

Mechanical Dynamometers

The world leader in dynamometers since 1937



DILLON[®]

Overload Protection and Overhead Weighing Equipment

Feature for feature — Dillon Dynamometers set the standard

Originally designed to measure the tension on telephone wires, the Dynamometer has proven to have limitless versatility as a tension, and weight measuring instrument. It has been used for such diverse jobs as stringing utility line; mounting

cables for bridges; adjusting tension on guy wires; field testing chain, rope, wire—anything requiring precise force or tension measurement. For critical overhead lifting applications, we recommend our APxtreme dynamometer.

AP Dynamometer

The AP is an exceptional value for basic applications. Key features include:

Accuracy: $\pm 0.5\%$ of full range – For precise measurements.

Choice of dial sizes – Portable 5" (125 mm) or highly visible 10" (250 mm) dials.

Anti-parallax dial and pointer –

Offers accurate readings from varying sight lines. Dial is mar and fog resistant.

Zero control (at rear of case) –

Can cancel preset loads up to 20% of capacity.

Maximum indicator – Remains in position to indicate peak load point after load is removed from instrument. Standard.

Mechanism case – constructed of high strength composite plastic or rugged cast aluminum resists heavy blows.

Wide range of capacities

500 to 100,000 lb

200 to 50,000 kg



Dillon dynamometers are the most popular in the world — excellent reliability, build quality, measurement precision and fast delivery are just a few reasons why.

APxtreme Dynamometer

The APxtreme is perfect for demanding environments such as critical military duty, crane lifts and ultra-sensitive commercial environments.

The APxtreme has the same great features as the Model AP, plus:

5:1 ultimate safety factor – Achieved in all capacities.

Exclusive material selection – High-spec materials and aircraft quality alloys.

Rounded pressure bar ends – Reduces binding with lift rigging.

Electroless nickel plating – Extra corrosion resistance.

Complete integrity – Non-destructive examination of key components.

Anchor shackles – In all capacities.

Proof load tested – To 150% of capacity.

Calibration assurance – Three vigorous validation runs.

Options – Alarms, trip-point switching and zero positioning (see back cover).

APxtreme is designed for safety in overhead lifting.



APxtreme Options



Zero positioning

The standard zero position is 9 o'clock for both the 5" and 10" dial sizes. Capacities up to 20,000 lb can be supplied with the zero at 12, 3 or 6 position if specified at the time of ordering. Photo shows a non-standard 12 o'clock zero position.



Klaxon signal alarm

Mounted on rear of the Dynamometer and sounds an alarm at a preset load point.



Auto control switch

This microswitch allows automated control of motors, hopper grates, conveyors or it can sound remote alarms. Preset at any desired load point.

Storage



Dynamometers include a rugged ABS plastic case, heavy-duty reinforced plywood shipping/storage crate or steel carrying case (optional on AP) suited for the instrument size.

Capacities

Capacity x division size shown.
Newton capacities also available.

POUND CAPACITIES

5" (125 mm) Dial Size	10" (250 mm) Dial Size
500 x 5	500 x 2
1000 x 10	1000 x 5
2000 x 20	2000 x 10
4000 x 25	4000 x 20
5000 x 50	5000 x 20
6000 x 50	6000 x 25
8000 x 50	8000 x 50
10,000 x 100	10,000 x 50
15,000 x 100	15,000 x 100
20,000 x 200	20,000 x 100
	30,000 x 200
	40,000 x 200
	50,000 x 200
	100,000 x 500

KILOGRAM CAPACITIES

5" (125 mm) Dial Size	10" (250 mm) Dial Size
200 x 2	200 x 1
500 x 5	500 x 2
1000 x 10	1000 x 5
2000 x 20	2000 x 10
4000 x 25	4000 x 20
5000 x 50	5000 x 50
10000 x 100	10,000 x 50
	15,000 x 100
	20,000 x 100
	50,000 x 200

For part numbers, dimensional information and other specifications, see the Mechanical Dynamometers specifications sheets available from an authorized Dillon distributor, the website at www.dillon-force.com or call the factory.

Dillon also manufactures a broad line of electronic dynamometers and other force measurement equipment.



FREDRICK-SHELTON & ASSOCIATES, INC.

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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