

# AP Dynamometer

The world leader in dynamometers  
since 1937



## DILLON

Force Measurement Equipment



Distributed By

**M'Laughlin Hoist & Crane**

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# ***Dillon Dynamometer — Nobody does it better!***

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 is used for such diverse jobs as suspended weighing; mounting cables for bridges; adjusting tension on guy wires; field testing chain, rope, wire—anything requiring precision force or tension measurement.



## ***Popular Applications***



*Utility Lines*



*Towers*

*Material Handling*



### ***Certificate of Calibration***

An official Certificate of Calibration traceable to NIST, dated and signed, accompanies each new or factory serviced Dillon Model AP dynamometer. Experienced technicians calibrate each instrument on an individual basis making certain that all parts are carefully adjusted and that every unit is within stated accuracy tolerances before it leaves the factory.

Dillon is the leader in dynamometers with the largest installed population throughout the world. The sturdy design, top grade components and premium coatings make it last for years in severe environments and applications: the pounding aboard military vehicles, rough handling in field measurements and even use underwater! Embraced by industrial contractors across the globe, we are confident the AP will satisfy your most demanding applications.

### **Worldwide distribution network**

Dillon supports its customers with a worldwide distribution network. In addition to the US and Canada, we serve fifty-seven other countries. Every Dillon distributor offers complete service capabilities from application assistance to sales and product support. Their experienced representatives are knowledgeable experts in the force measurement field and can satisfy virtually any need.

# ***Feature for feature — Dillon Dynamometer sets the standard.***

Accuracy:  $\pm 0.5\%$  of full scale capacity for precise data.

Broadest range of capacities and resolutions are certain to fit your needs.

Wide temperature range for use in nearly any environment (-50 to 140°F / -45 to 60°C)

Large safety factor for overload protection and long life.

No batteries required.

Dial size choice for the best in portability or visibility.

Anti-parallax dial and pointer produce accurate readings from any perspective.

Maximum hand retains peak load point and is easily reset.

Zero control cancels preset loads (backside).

High strength case resists heavy blows.

Generous shackle openings mate with most hooks and hardware.

High specification materials on all load components. Heat treated to tight tolerances.

Durable powder coat paint provides outstanding protection.

Offset load beam eases tension measurement.



5" (125 mm) diameter AP dynamometer includes a rugged ABS plastic carry case with die-cut foam inserts. Capacities of 30,000 lb (15,000 kg) and above are shipped in a heavy-duty reinforced plywood crate. An optional steel carry case is available for 10" (250 mm) diameter dynamometers up to 20,000 lb (10,000 kg) capacity.

<sup>1</sup> Dillon recommends short intervals in clean water followed with rinse and drain.

## 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. Photo shows a nonstandard position of 12 o'clock.



### Klaxon signal alarm

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



Dillon also manufactures electronic dynamometers and quick-attach tension meters.

## Model AP Mechanical Dynamometer Capacities and Increments

### POUND CAPACITIES

5" (125 mm) Dial Size		10" (250 mm) Dial Size	
Part Number	Capacity x Division Size	Part Number	Capacity x Division Size
30006-0019	500 x 5	NA	
30006-0027	1,000 x 10	30007-0026	1,000 x 5
30006-0035	2,000 x 20	30007-0034	2,000 x 10
30006-0043	4,000 x 25	NA	
30006-0050	5,000 x 50	30007-0059	5,000 x 20
30006-0076	8,000 x 50	30007-0075	8,000 x 50
30006-0084	10,000 x 100	30007-0083	10,000 x 50
30006-0092	15,000 x 100	30007-0091	15,000 x 100
30006-0100	20,000 x 200	30007-0109	20,000 x 100
NA		30784-0017	30,000 x 200
NA		30784-0033	50,000 x 200

### KILOGRAM CAPACITIES

125 mm (5") Dial Size		250 mm (10") Dial Size	
Part Number	Capacity x Division Size	Part Number	Capacity x Division Size
30006-0134	500 x 5	30007-0133	500 x 2
30006-0159	1,000 x 10	30007-0158	1,000 x 5
30006-0126	2,000 x 20	30007-0125	2,000 x 10
30006-0167	4,000 x 25	NA	
NA		30007-0174	5,000 x 20
30006-0118	10,000 x 100	30007-0117	10,000 x 50
NA		30784-0058	20,000 x 100

For dimensional information and other specifications, see the Model AP Dynamometer specifications sheet available from an authorized Dillon distributor, the website at [www.dillonforce.com](http://www.dillonforce.com) or call the factory.



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### Force Measurement Equipment

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