

AP Dynamometer



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 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.

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.

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.

¹ Checkline 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.

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, for the Model AP Dynamometer specifications see the website at: www.checkline.eu

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Force Measurement Equipment

