

# DYNAMOMETERS

The PIAB Dynamometer is an all-weather instrument for weighing and measuring mechanical forces. Equally suited for use out in the field or in the laboratory the Dynamometer has an easy to read analogue scale displayed through a window. The power absorbing element of the Dynamometer consists of special Belleville type spring washers designed to be entirely free from wear. The spring washers cannot be overloaded.



The Dynamometers have a safety factor of 5 to 1 and are accurate to  $\pm 0.6\%$  of the maximum capacity. Each instrument is corrosion resistant and fully pressure tested. Each instrument is neatly packaged in a sturdy wooden box.



CAT. NO.	CAPACITY	GRADUATION	WEIGHT
300015	0 - 250 Kg	5 Kg	1.9 Kg
30020	0 - 500 Kg	10 Kg	1.9 Kg
300025	0 - 1000 Kg	20 Kg	1.9 Kg
300035	0 - 3000 Kg	50 Kg	2.5 Kg
300040	0 - 5000 Kg	50 Kg	2.5 Kg

## ROPE TENSION METER CAT. NO. RTM20D



The PIAB RTM-20D is designed to swiftly and accurately measure the tension in fixed or stationary ropes or cables, such as guy wires for masts and towers or other guyed structures. This instrument can also be used to determine the tension on overhead lines and catenary wires. It can be used to measure tension forces up to 20 tonnes and used on wire ropes with a diameter up to 38mm.

The instrument can be calibrated for use on up to 10 different wire rope dimensions and the digital readout display will clearly show the tension of the wire rope selected. Simple and handy to use the RTM20D is clipped easily to the wire and the large hand screw is used to deflect the wire to a fixed angle. The resultant force on the load cell measures the tension on the wire. A signal is then digitally processed and the tension can be displayed in either kN or Kg.

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