

TENSION DYNAMOMETER

PCE-TM 200



- » **Portable electronic tensile force gauge**
- » **Three operating modes: real-time, hold, peak**
- » **Six selectable units of measurement: cN, oz, kgf, N, lb**
- » **USB interface for PC software**
- » **Thickness adjustment for different material thicknesses**
- » **Storage of up to 41 data sets**

The tension dynamometer enables the precise measurement of tensile stress in filaments and linear materials. This handy digital tension dynamometer offers three freely selectable operating modes: real-time, hold and peak value. It supports five different units of measurement (cN, oz, kgf, N, lb) and achieves a measurement accuracy of $\pm 2.5\%$ FS.

The tension dynamometer is equipped with an integrated USB interface, which enables convenient data communication. Recorded data sets can be transferred to PC software for further processing and exported as an xlsx file. A total of up to 41 data groups can be stored on the tension dynamometer, which supports systematic process control.

Thanks to variable thickness adjustment and a measuring head width of 65 mm, the tension dynamometer offers high flexibility for a variety of applications. The tension dynamometer is widely used in the wire and cable industry, the textile and chemical fiber industry, the metal wire and carbon fiber industry, as well as in many other sectors.

This tension dynamometer impresses with its ease of use, precise measurement results and versatile applications, making it the ideal solution for professional measurement tasks. The tension dynamometer is powered by 2 AA batteries, which can be charged using the supplied mains adapter.

Specification

Force	
Measuring range	4 ... 200 cN
Resolution	1 cN
Accuracy	±2.5% FS

General technical data	
Measuring functions	peak, Real-time value, HOLD
Units	cN, kgf, lb, oz, N
Display type	LCD
Display size	1,85 Inch
Storage medium	Internal memory
Storage capacity	41 Data records
Memory information	available internally and within the software
Interface	USB
Calibration	Material: PA monofilament, Ø 0.12 mm
Measuring head width	65 mm
Menu language	English (GB), English
Protection class (device)	IP52
(Rechargeable) battery	2 x 3,7 V AA - rechargeable battery ,
Capacity	850 mAh
Operating conditions	5 ... 40 °C , 10 ... 90 % RH
Storage conditions	5 ... 40 °C , 10 ... 90 % RH
Dimensions (L x W x H)	270 x 80 x 55 mm
Weight	590 g