

# 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 up to | 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 in                                      |
| 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                                        |