

Dynamometer PCE-PFG 500



Dynamometer PCE-PFG 500
with internal S load cell, graphic display, memory and USB-B interface

The PCE-PFG dynamometer is a handy, digital measuring device for measuring tensile and compressive forces. The force measuring device offers a sampling rate of 500 Hz and various measurement options such as real-time measurement (RT), maximum value measurement (PEAK), configurable average value acquisition (Average) and automatic measurement storage of up to 100 measurements.

The measurement data and a statistical evaluation of the data stored in the force measuring device (MIN / MAX / average) are shown on the graphic display and can be transferred to a PC via the USB interface. In addition, the force measuring device offers a limit value function MIN / MAX, which can switch a multi-colored LED (yellow / green / red) and switching contacts.

The graphic display can be rotated and the force measuring device can be securely attached to a test stand using the M4 threaded holes on the back. The force is introduced into the internally installed load cell via an M6 threaded rod. Various mounting pieces are included in the scope of delivery of the force measuring device. The force measuring device can be operated continuously for up to 36 hours on a single charge (without background lighting) and is a reliable partner as a mobile force measuring device.

- ▶ 4 measurement modes (real-time measurement / maximum value / average measurement / automatic memory measurement)
- ▶ Internal memory for up to 100 measured values
- ▶ Statistics evaluation (MIN / MAX / average)
- ▶ rotatable display
- ▶ Alarm function with multi-colored LED (yellow / green / red) and switching contact output 2.85 V.
- ▶ USB B interface
- ▶ Battery life up to 36 hours

Specifications

| | |
|-------------------------------------|-------------------------------------------------------------------------------|
| Measuring range | 0 ... 500 N |
| Resolution | 0.1 N |
| Accuracy | ±0.3 % of the measuring range |
| Measurement units | N, kgF, lbF |
| Display | 1.8" graphic display |
| Alarm modes | Below, Inside, Outside |
| Sampling rate | 500 Hz |
| Memory | 100 measurements |
| Power supply | lithium battery 3.7 V / 1500 mAh |
| Battery life | up to 36 hours |
| Power supply / USB charging adapter | 5 V / 1 A |
| Outputs | interface: USB B Switching output / alarm modes: MD6 with 2.85 V if active |
| Protection class | IP 54 |
| Operating and storage conditions | 5 ... 45 °C 35 ... 65 % r.H. not condensing |
| Force application | M6 x 10 mm thread |
| Dimensions | 189 x 707 x 34 mm |
| Weight | 450 g |

More information

Diagram



More product info



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