

Dynamometer PCE-PFG 2K



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 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 ... 2000 N
Resolution	0.5 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
Dimensions of load cell	L 52 mm / H 72 mm / W 19 mm / M12 thread / 490 g (see technical drawing)
Cable length of load cell	approx. 1.8 m
Dimensions handset	189 x 707 x 34 mm
Weight handset	240 g

More information

Diagram



More product info



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