

FORCE GAUGE

PCE-PFG 2K



- » 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

The PCE-PFG force measuring device 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.

Specification

Force	
Measuring range	0 ... 2000 N
Resolution	0,5 N
Accuracy	±0.3% of range

General technical data	
Outputs	Switching output
Units	N, kgf, lbf
Display size	1,8 in
Measuring rate	500 Hz
Storage medium	Internal memory
Storage capacity	100 Measurements
Interface	USB-B
Operating time	36 h
Alarm modes	Below, within, beyond
Dimensions	Force measuring cell: L 52 mm / H 72 mm / W 19 mm / M12 thread (L 2.0 in / H 2.8 in / W 0.7 in / M12 thread) Cable length of external force measuring cell: approx. 1.8 m / 5.9 ft
Menu language	English, English (GB)
Protection class (device)	IP54
Power supply	5 V / 1 A
Connector type	Device-europlug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion polymer battery
Capacity	1500 mAh
Operating conditions	5 ... 45 °C , 35 ... 65 % RH
Storage conditions	5 ... 45 °C , 35 ... 65 % RH
Dimensions (L x W x H)	77 x 189 x 34 mm
Weight	240 g