FORCE GAUGE

PCE-PFG 200-ICA



- **4 measurement modes (real-time measurement / maximum value / average**
- **measurement / automatic memory measurement)**
- **Internal memory for up to 1 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**
- **incl. ISO-Calibration Certificate**

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 5 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 1 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.

Specification

Force	
Measuring range	0 ... 200 N
Resolution	0,05 N
Accuracy	±0.3% FS

General technical data	
Outputs	Switching output
Units	N, kgf, lbf
Connections	M6 x 10 mm
Display size	1,8 Inch
Measuring rate	500 Hz
Storage medium	Internal memory
Storage capacity	100 Measurements
Interface	USB-B
Operating time	36 h
Alarm modes	Below, Inside, Outside
Menu language	English (US), English (GB)
Protection class (device)	IP54
Power supply	5 V / 1 A
Connector type	Device Europlug
Battery/battery	1 x 3,7 V intern , Lithium-ion polymer battery
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)	189 x 80 x 36 mm
Weight	470 g

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