FORCE GAGE

PCE-PTR 200N



- **Differently shaped measuring adapter**
- **Downloadable evaluation software**
- **Device for mounting on test stands**
- **Peak measurement**
- **Power supply via charging adapter**
- **Delivery with extension rod**
- **Evaluation via USB interface**
- **Fast measured value display**

The PCE-PTR 200N force gage is a hand-held device up to 200 N / 45 lbs. The force measuring device can determine the units N, kg and lb. The PCE-PTR 200N force gage is supplied with various shaped adapters. These can be screwed onto the device and thus offer the optimum solution for differently designed surfaces in the measurement of pressure and tension. In addition to the adapters, an extension rod is also supplied, which allows measurements in hard to reach places. This extension rod has a length of 65 millimeters / 2.6 inches. The PCE-PTR 200N force gage includes a flat head adapter, hook adapter, ball head adapter, chisel head adapter, and a notched head adapter, with the hook adapter used for pulling force measurements.
The PCE-PTR 200N force gage offers the possibility to attach the force measuring device to a test stand by means of threads on the rear of the device. Test stands are always used in a force gage if reproducible measurement results are required during the force measurement. These test stands are ideal additions to a force gage, because they are operated by a precise hand wheel or a motor. In addition, both tensile and compressive force measurements can be performed on them. Experiments in the laboratory are thus possible with the force gage as well as the inspection at the incoming goods inspection.
The internal load cell is maintenance-free, light and characterized by extremely long service life.

Specification

Force	
Measuring range	0 ... 200 N
Resolution	0,1 N
Accuracy	±0.5%

General technical data	
Measuring functions	MIN, MAX, peak
Units	N, kg, lb
Display type	LCD
Storage medium	Internal memory
Storage capacity	10 Measurements
Interface	USB
Operating time	10 h
Automatic power-off from...to	3 ... 60 min.
Bandwidth	4800 ... 57600 basis points
Alarm	optical, Acoustic
Calibration	manual, 2 or 3 points
Dimensions	Penetration tip Ø 6 mm Penetration tip Ø 8 mm Penetration tip Ø 11 mm
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	230V AC | 50 Hz
Connector type	Device-europlug
(Rechargeable) battery	5 x 1,2 V AA - rechargeable battery , Nickel-metal hydride battery
Capacity	1600 mAh
Operating conditions	10 ... 30 °C , 15 ... 80 % RH
Storage conditions	10 ... 30 °C , 15 ... 80 % RH
Dimensions (L x W x H)	160 x 70 x 36 mm
Weight	1000 g