FORCE GAGE

PCE-FM 200



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

The force gage PCE-FM 200 is a handheld device that measures up to 200 N. The force gage can determine the units N, kg and lb. The scope of delivery of the PCE-FM 200 force gage includes various adapters with different shapes. 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. The scope of delivery of the PCE-FM 200 force gage includes flat head adapter, hook adapter, ball head adapter, chisel head adapter and a notched head adapter, whereby the hook adapter is used for tensile force measurements.

The PCE-FM 200 force gage offers the option of mounting the force gauge on 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 handwheel 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 of incoming goods.
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	
Outputs	Switching output
Units	N, kg, lb
Connections	M6
Display type	LCD
Display size	2,4 Inch
Adjustable measuring rate	6 ... 200 Hz
Storage medium	Internal memory
Storage capacity	10 Measurements
Storage interval from	6 s
Storage interval to	200 min.
Interface	USB
Operating time	10 h
Automatic power-off from...to	3 ... 60 min.
Overload	150 %
Breaking load	200 %
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	Power supply unit: 12V DC/1000 mA
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)	175 x 70 x 36 mm
Weight	360 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk