

# Force Gauge PCE-FM 200-ICA



## Force Gauge PCE-FM 200-ICA with ISO Calibration Certificate

**Force gauge for tensile force measurement and pressure force measurement up to 200 N**

**USB interface and downloadable evaluation software for data transmission / Many measuring adapters**

The force gauge PCE-FM 200 is a handheld device that measures up to 200 N. The force gauge can determine the units N, kg and lb. The scope of delivery of the PCE-FM 200 force gauge 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 gauge 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 gauge 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 gauge if reproducible measurement results are required during the force measurement. These test stands are ideal additions to a force gauge, 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 gauge as well as the inspection of incoming goods.

**Attention:** The internal load cell is maintenance-free, light and characterized by extremely long service life. For the production of this load cell only high quality materials are used, which guarantee maximum safety and longevity. The force gauge has an overload range. If you exceed this, you destroy the internal load cell. So if you select a force gauge for your application, then for safety's sake move to the next higher model at the measuring range.

### **This force gauge comes with an ISO calibration certificate (PCE-FM 200-ICA).**

- ▶ 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
- ISO calibration certificate included in delivery contents

Subject to change

# Specifications

Measuring range	0 ... 200 N / 0 ... 20 kg / 0 ... 45 lbs
Resolution	0.1 N / 0.02 lbs
Pressure calibration	1 Mpa
Load cell	Integrated load cell with M6 connection
Measuring range	1 ... 100% of the full scale
Measurement accuracy	±0.5%
Units	n, kg, lb
Display	LCD
Operating temperature	10 ... 30°C / 50 ... 86°F
Relative humidity	15 ... 80%
Working conditions	The device must not be located near sources of vibration or corrosive substances
Weight	1 kg / 2.2 lb

# More information

Manual



Manual P1



More product info



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