

Dynamometer PCE-FM 500N



Dynamometer PCE-FM 500N

Force gauge for tensile force measurement and pressure force measurement up to 500 N (112 lbs) / With internal load cell / USB interface for data transmission

The PCE-FM 500N dynamometer is a microprocessor controlled dynamometer with fast and accurate readout of tensile and compressive forces in N, Kg and lb. The display of the force gauge is easily readable by the large numbers. The force gauge is equipped with an internal load cell for tensile and compression tests. The load cell of the force gauge PCE-FM 500N is equipped with a M6 threaded head. Thus, the force gauge can also be screwed into other brackets, test facilities and test stands and. The force gauge is operated with an internal battery or the external power supply.

This force gauge also has a USB interface for data transmission. With the interface and the software of the force measuring devices, the data can be transmitted quickly and easily to a PC. With the help of the optionally available mounting plate, the load cell can be adapted to decaying test benches. These test stands are ideal for tensile and compressive force measurement in quality control and laboratory testing or product development.

- ▶ 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

Specifications

Measuring range	0 ... 500 N / 0 ... 112 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
Power supply	Internal battery, 12V / 1 A power adapter
Operating temperature	10 ... 30°C / 50 ... 86°F
Relative humidity	15 ... 80% relative humidity
Weight	1 kg / 2.2 lbs

Working conditions:

The device must not be near sources of vibration or corrosive substances

More information

Manual



Manual P1



More product info



Similar products



Subject to change