

Force Gauge PCE-FM 50N



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Traction gauge / Compression force / USB interface

PEAK function / Different measuring units / Incl. Downloadable evaluation software

This force gauge is a tensile / compressive force gauge. This tensile / compressive force gauge has an internal load cell. It is a portable traction / compression force gauge that can be installed in a force measurement stand. The measuring range of this tensile and compressive force gauge is up to 50 N / 11 lbs. So the meter is suitable for more precise tensile and compression tests.

The measurement results can be transferred directly to the PC via USB interface. There they can be archived and evaluated. An integrated statistical evaluation is used to evaluate the measurement results. The force measuring device is thus able to automatically store maximum and minimum measured values in the display.

- ▶ Different shaped measuring adapters
- ▶ 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	0.5 ... 50 N / 0.1 ... 11 lbs
Resolution	0.01 N / 0.002 lbs
Pressure calibration	0.1 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



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