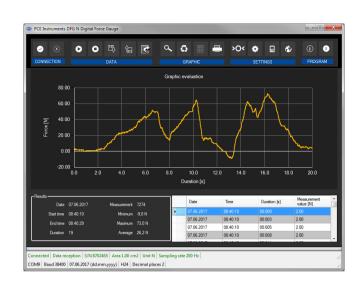


Force Gauge PCE-DFG N 1K





PCE-DFG N Force gauge series With external measuring cell and USB interface for connection to a PC

The force gauge measures both tensile and compressive forces with very high resolution. The tensile force and the compressive force are often determined in the test laboratory, for example, to determine the yield strength, the pull-off force, and the force required to actuate a push-button or switch. The force gauge is supplied with an external measuring cell. Depending on the model, the force gauge can measure up to 10,000 N / 2,248 lbs. Models for 1,000 N / 225 lbs, 2,500 N / 562 lbs and 5,000 N / 1,124 lbs are still available. Various eyelets or hooks with M10 or M12 thread can be adapted to the measuring cells, but your own devices with this thread can be mounted on the measuring cell.

The force gauge is equipped with a USB interface. This interface makes it possible to read the measurement data into the PC software. This makes it possible to create measurement logs and save and export them. The force gauge has a graphic LCD that displays the measured values both numerically and graphically. Furthermore, the force measuring device is protected to IP54 and can therefore also be used in harsh industrial environments, as well as train and pressure tests can be carried out outdoors in bad weather conditions easily.

Various force test stands are available for adaptation to the force gauge. The internal memory and the included hooks, extensions and tips complete the performance of this force gauge. A special feature of the PCE-DFG N force gauge is that the measuring cells are interchangeable among the models. By entering the sensitivity in mV / V, all measuring cells can be used with just one handheld device.

- ▶ USB interface
- ► Graphic display
- ► Fast response time
- PC software
- ▶ Incl. calibration
- ▶ Store 100 readings internally or unlimited to PC
- Measuring cells easily changeable
- Incl. ISO calibration certificate

Specifications

Measuring range 0 ... 1,000 N / 0 ... 225 lbs

Resolution 0.5 N / 0.11 lbs

Accuracy \pm 0.1% of the measuring range

Measurement units N, kg, lb, KPa

Display 2.8" TFT graphic display

Alarm Modes Inside, Outside, Crack, Shutdown

Sampling rate 6 ... 1600 Hz

Storage 100 measurements

Power supply NiMH battery, 6V / 1600-mAh

Battery life About 10 hours

Power adapter / charging adapter 12V / 1A

Outputs Interface: USB

Switching output: 12V / 50-mA

Protection class IP 54

Operating and storage conditions -10 ... 50°C / 14 ... 122°F

5 ... 95% rh non-condensing

Mounting thread Measuring cell

up to 1,000 N / 225 lbs M10 2,500 ... 10,000 N / 562 ... 2,248 lbs M12

Dimensions 200 x 97 x 42 mm / 7.9 x 3.8 x 1.7

Weight 540 g / 1.2 lbs

More information



Diagram

Software Manual



More product info



Similar products

