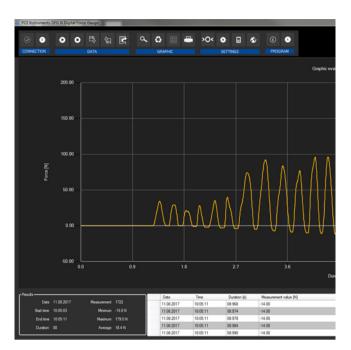


Force Gage PCE-DFG N 10K







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

The force gage 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 pushbutton or switch. The force gage is supplied with an external measuring cell. Depending on the model, the force gage 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 gage 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 gage 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 gage. The internal memory and the included hooks, extensions and tips complete the performance of this force gage. A special feature of the PCE-DFG N force gage 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
- Store 100 readings internally or unlimited to PC
- Measuring cells easily changeable

Specifications

Measuring range 0 ... 10,000 N / 0 ... 2,248 lbs

5 N / 1.12 lbs Resolution

± 0.1% of the measuring range Accuracy

Measurement units N, kg, lb, KPa

Display 2.8" TFT graphic display

Alarm Modes Inside, Outside, Crack, Shutdown

6 ... 1600 Hz Sampling rate

Storage 100 measurements

Power supply NiMH battery, 6V / 1600-mAh

About 10 hours Battery life

Power adapter / charging adapter 12V / 1A

Interface: USB Outputs

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

Manual

Datasheet

Diagram

Software Manual

More product info

Similar products

