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Technical Dynamometer PCE-DFG-N 10

PCE-DFG N 10 Digital force gauge for tensile force measurement and pressure force measurement up to 10 N / Very high accuracy / Sampling rate 1600 Hz / 6 different measuring tips / USB interface / Software / Calibration certificate

A digital force gauge for tensile and compressive force measurements up to 10 N is available with the PCE-DFG N 10. The PCE-DFG N 10 is a digital force meter for precise measurements with a resolution of 0.005 N. The measured values are displayed on a large, illuminated, 180° rotatable display, a correct reading of the measured values is thus guaranteed at all times. The outstanding accuracy of \pm 0.1% FS is confirmed with the factory calibration certificate provided.

In addition to the internal storage option of 100 measured values, a USB interface is available for data transmission. With the software, the measured values can be saved on a computer for later evaluation. Due to its robust housing, a sensible menu navigation and the simple operation via 8 keys, the digital force meter PCE-DFG N 10 is characterized by a high degree of user-friendliness. The power supply of the dynamometer via batteries, which can be charged via a included charger and allow a continuous operation of the device of 10 hours. With these characteristics, the digital force gauge is suitable for quality control in the production area, for incoming and outgoing inspection as well as for the development of new components or for testing safety-relevant components.

- Pull and pressure force measurement
- 1600 Hz sampling rate
- Error limit 0.1% of the measuring range
- PEAK function (MIN / MAX)
- Limit value function
- Different measuring units
- Automatic or manual storage
- Graphical analysis
- Automatic orientation display
- Time date
- Control and evaluation software
- Automatic shutdown adjustable
- Battery status indicator
- Network operation possible

- Save 1000 readings
- Incl. ISO calibration certificate

Technical specifications:

Measuring range 0 ... 10 N, 0 ... 2.25 lbs

Accuracy \pm 0.1% of the measuring range

Resolution 0.005 N

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

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

Force-receiving piece M6 x 7 mm

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

Weight 540 g / 1.2 lbs

Delivery contents:

- 1 x PCE-DFG N 10 Force gauge
- 1 x Chisel head adapter
- 1 x Flat head adapter
- 1 x Pointed head adapter
- 1 x Hook adapter
- 1 x Notched head adapter
- 1 x Extension bar (90 mm / 3.5 in)
- 1 x PC software
- 1 x USB data cable
- 1 x Power supply
- 1 x Carrying case
- 1 x ISO calibration certificate
- 1 x User manual

Dynamometer PCE-DFG N 500

Force gauge for push and pull force measurement up to 500 N

The PCE-DFG N 500 is a digital force meter for precise measurements with a resolution of 0.1 N. The measured values are displayed on a large, illuminated, 180° rotatable display, a correct reading of the measured values is thus guaranteed at all times. The outstanding accuracy of ± 0.1% FS is confirmed with the factory calibration certificate provided. In addition to the internal

storage option of 100 measured values, a USB interface is available for data transmission. With the software, the measured values can be saved on a computer for later evaluation.

Due to its robust housing, a sensible menu navigation and a simple operation via 8 keys, the digital force meter PCE-DFG N 500 is characte-

rized by a high degree of user-friendliness. The power supply of the dynamometer is provided via batteries, which can be charged via an included charger and allow a continuous operation of the device during 10 hours.

- push and pull force measurement
- ▶ high accuracy ±0.1 % FS
- ▶ 1600 Hz sampling rate
- storage 100 readings
- graphic analysis







0 ... 500 N or 0 ... 112 lbs Measuring range Accuracy ± 0.1% of the measuring range Resolution 0.1 N

Measurement units N, kg, lb, KPa

2.8" TFT graphic display Display

Inside, Outside, Crack, Shutdown Alarm Modes

Sampling rate 6 ... 1600 Hz Storage 100 measurements

NiMh battery 6V / 1600-mAh Power supply about 10 hours Battery operation

Charging adapter 12V / 1A Interface: USB Outputs

Switching output: 12 V / 50-mA

Protection class

Operating and storage conditions

-10 ... 50°C / 14 ... 122°F 5 ... 95% rh non-condensing

Force-receiving piece 6 x 7 mm / .2 x .3 in

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

Weight 540 g / 1.2 lbs

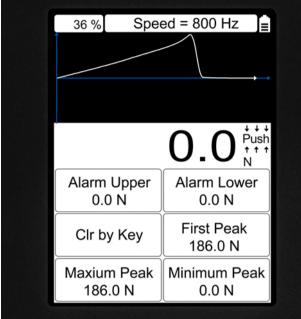
ISO calibrated

74 75



Force Gauge PCE-DFG N 5







PCE-DFG N 5 Force gauge

For tensile force measurement and pressure force measurement up to 5 N / Very high accuracy / Sampling rate 1600 Hz / 6 different measuring tips / USB interface / Software / Calibration certificate

A digital force gauge for tensile and compressive force measurements up to 5 N is available with the PCE-DFG N 5. The PCE-DFG N 5 is a digital force meter for precise measurements with a resolution of 0.001 N. The measured values are displayed on a large, illuminated, 180° rotatable display, a correct reading of the measured values is thus guaranteed at all times. The outstanding accuracy of ± 0.1% FS is confirmed with the factory calibration certificate provided.

In addition to the internal storage option of 100 measured values, a USB interface is available for data transmission. With the software, the measured values can be saved on a computer for later evaluation. Due to its robust housing, a sensible menu navigation and the simple operation via 8 keys, the digital force meter PCE-DFG N 5 is characterized by a high degree of user-friendliness. The power supply of the dynamometer via batteries, which can be charged via a included charger and allow a continuous operation of the device of 10 hours. With these characteristics, the digital force gauge is suitable for quality control in the production area, for incoming and outgoing inspection as well as for the development of new components or for testing safety-relevant components.

- ▶ Pull and pressure force measurement
- ▶ 1600 Hz sampling rate
- ▶ Error limit 0.1% of the measuring range
- PEAK function (MIN / MAX)
- ▶ Limit value function
- ▶ Different measuring units
- Automatic or manual storage
- Graphical analysis
- Automatic orientation display
- ▶ Time date
- ▶ Control and evaluation software
- ▶ Automatic shutdown adjustable
- Battery status indicator
- Network operation possible
- ▶ Save 100 readings
- ▶ Incl. ISO calibration certificate

Subject to change

Specifications

Measuring range 0 ... 5 N, 0 ... 1.12 lbs

Accuracy ± 0.1% of the measuring range

Resolution 0.001 N

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

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

Force-receiving piece M6 x 7 mm

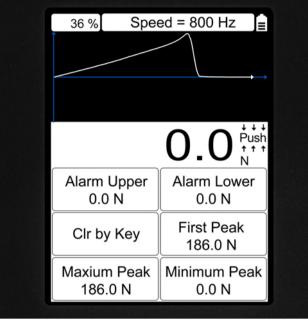
Dimensions 200 x 97 x 42 mm / 7.9 x 3.8 x 1.7 in

Weight 540 g / 1.2 lbs



Force Gauge PCE-DFG N 20







PCE-DFG N Digital force gauge

For tensile force measurement and pressure force measurement up to 20 N / Very high accuracy / Sampling rate 1600 Hz / 6 different measuring tips / USB interface / Software / Calibration certificate

A digital force gauge for tensile and compressive force measurements up to 20 N is available with the PCE-DFG N 20. The PCE-DFG N 20 is a digital force meter for precise measurements with a resolution of 0.01 N. The measured values are displayed on a large, illuminated, 180° rotatable display, a correct reading of the measured values is thus guaranteed at all times. The outstanding accuracy of ± 0.1% FS is confirmed with the factory calibration certificate provided.

In addition to the internal storage option of 100 measured values, a USB interface is available for data transmission. With the software, the measured values can be saved on a computer for later evaluation. Due to its robust housing, a sensible menu navigation and the simple operation via 8 keys, the digital force meter PCE-DFG N 20 is characterized by a high degree of user-friendliness. The power supply of the dynamometer via batteries, which can be charged via a included charger and allow a continuous operation of the device of 10 hours. With these characteristics, the digital force gauge is suitable for quality control in the production area, for incoming and outgoing inspection as well as for the development of new components or for testing safety-relevant components.

- ▶ Pull and pressure force measurement
- ▶ 1600 Hz sampling rate
- ► Error limit 0.1% of the measuring range
- ▶ PEAK function (MIN / MAX)
- ▶ Limit value function
- ▶ Different measuring units
- Automatic or manual storage
- Graphical analysis
- Automatic orientation display
- ▶ Time date
- ▶ Control and evaluation software
- ▶ Automatic shutdown adjustable
- Battery status indicator
- ▶ Network operation possible
- ► Save 100 readings
- ▶ Incl. ISO calibration certificate

Subject to change

Specifications

Measuring range 0 ... 20 N, 0 ... 4.5 lbs

Accuracy ± 0.1% of the measuring range

Resolution 0.01 N

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

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

Force-receiving piece M6 x 7 mm

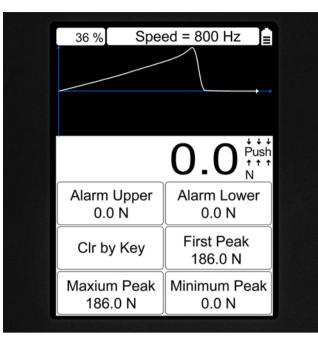
Dimensions 200 x 97 x 42 mm / 7.9 x 3.8 x 1.7 in

Weight 540 g / 1.2 lbs



Force Gauge PCE-DFG N 200







PCE-DFG N 200 Digital force gauge

For tensile force measurement and pressure force measurement up to 200 N / Very high accuracy / Sampling rate 1600 Hz / 6 different measuring tips / USB interface / Software / Calibration certificate

A digital force gauge for tensile and compressive force measurements up to 200 N is available with the PCE-DFG N 200. The PCE-DFG N 200 is a digital force meter for precise measurements with a resolution of 0.1 N. The measured values are displayed on a large, illuminated, 180° rotatable display, a correct reading of the measured values is thus guaranteed at all times. The outstanding accuracy of ± 0.1% FS is confirmed with the factory calibration certificate provided.

In addition to the internal storage option of 100 measured values, a USB interface is available for data transmission. With the software, the measured values can be saved on a computer for later evaluation. Due to its robust housing, a sensible menu navigation and the simple operation via 8 keys, the digital force meter PCE-DFG N 200 is characterized by a high degree of user-friendliness. The power supply of the dynamometer via batteries, which can be charged via a included charger and allow a continuous operation of the device of 10 hours. With these characteristics, the digital force gauge is suitable for quality control in the production area, for incoming and outgoing inspection as well as for the development of new components or for testing safety-relevant components.

- ▶ Pull and pressure force measurement
- ▶ 1600 Hz sampling rate
- ▶ Error limit 0.1% of the measuring range
- PEAK function (MIN / MAX)
- ▶ Limit value function
- ▶ Different measuring units
- Automatic or manual storage
- Graphical analysis
- Automatic orientation display
- ▶ Time date
- ▶ Control and evaluation software
- ▶ Automatic shutdown adjustable
- Battery status indicator
- ▶ Network operation possible
- ► Save 100 readings
- ▶ Incl. ISO calibration certificate

Subject to change

Specifications

Measuring range 0 ... 200 N, 0 ... 44.96 lbs

Accuracy ± 0.1% of the measuring range

Resolution 0.1 N

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

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

Force-receiving piece M6 x 7 mm

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

Weight 540 g / 1.2 lbs