

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 character-

ized 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



Force Measurement

Specifications

Measuring range	0 ... 500 N or 0 ... 112 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 operation	about 10 hours
Charging adapter	12V / 1A
Outputs	Interface: USB Switching output: 12 V / 50-mA
Protection class	IP 54
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