

# TORQUE CALIBRATOR

PCE-TCT 500



- » **real-time curve**
- » **display of the direction of rotation**
- » **units Nm, kgf cm, lbf in**
- » **USB interface**
- » **adjustable limit values**
- » **peak hold**
- » **7-inch touchscreen**

The torque calibrator is a special device for checking torque wrenches. A direction of rotation indicator also provides immediate feedback on the current direction of movement. The torque calibrator supports several units of measurement - including newton metres (Nm), kilogramme-force centimetres (kgf cm) and pound-force inches (lbf in) - and can therefore be flexibly adapted to a wide range of requirements.

Equipped with a real-time curve function, the torque calibrator displays torque values directly on the 7-inch touchscreen, enabling visual monitoring of the measurement data in real time. The measurement data can be transferred to a USB pen drive in the form of a csv file via the USB interface. Adjustable limit values ensure increased control and safety during measurement. The practical peak hold function of the torque calibrator enables peak values to be recorded for precise analysis of maximum loads. The torque calibrator can be controlled by a computer via the Ethernet interface.

This torque calibrator is a versatile and efficient tool that easily fulfils the requirements for quality assurance and measurement accuracy in modern working environments. The torque calibrator is widely used in electrical manufacturing, mechanical engineering, the automotive industry and in professional research.

## Specification

### Torque

Measurement range up to 0,01 ... 500 Nm

Resolution 0,01 Nm

Accuracy  $\pm 0.01$  % of Rd

### Torque

Measurement range up to 0,1 ... 5105,2 kgfcm

Resolution 0,1 kgfcm

Accuracy  $\pm 0.01$  % of Rd

### Torque

Measurement range up to 0,1 ... 4431,1 lbf-in

Resolution 0,1 lbf-in

Accuracy  $\pm 0.01$  % of Rd

### General technical data

Storage medium Internal memory

Storage capacity 999 Data records

Interface USB, RJ45

Alarm optical, Acoustic

Alarm modes lower limit, upper limit

Dimensions Length range: 130 ... 750 mm  
Angle of rotation: 0 ... 60 °  
Max. lifting height: 130 mm

Menu language English (GB), English, Chinese

Protection class (device) IP20

Power supply 220 V AC | 50 Hz

Connector type Schuko plug

Operating conditions -10 ... 40 °C, 0 ... 90 % RH

Storage conditions -10 ... 40 °C, 0 ... 90 % RH

Dimensions ( L x W x H ) 730 x 400 x 500 mm

Weight 47,8 kg