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	±0.01 % of Rd
Torque	
Measurement range up to	0,1 ... 5105,2 kgfcm
Resolution	0,1 kgfcm
Accuracy	±0.01 % of Rd
Torque	
Measurement range up to	0,1 ... 4431,1 lbf-in
Resolution	0,1 lbf-in
Accuracy	±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	47800 g

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