TORQUE METER

PCE-TWT 220NM



- **External sensor with 1/2-inch mount**
- **Operating modes: Peak, Max, Real-time**
- **Units: N·m, kgf·cm, lbf·in**
- **Memory for 2000 readings**
- **Includes software for data export**
- **Memory: 2000 groups of readings**
- **Data transfer: USB interface**
- **Power supply: 7.2V NiMH rechargeable battery**

The torque meter is a high-quality measuring instrument designed for calibrating torque sensors and for the precise measurement of the tightening torque of screws and other fasteners. The torque meter offers a high accuracy of ±1% within the range of 10% ... 100% of the scale and can be operated in both clockwise and anti-clockwise directions.

The torque meter supports several operating modes such as Peak Hold, MAX and real-time measurement. In Peak Hold mode, the maximum value is automatically stored, and the measurement data can be transferred via USB to the software, which also enables a pass/fail evaluation. Tolerance ranges can be set directly on the device, allowing values to be checked quickly. An integrated LED traffic light display shows the measured value at a glance.

The choice between the units Newton-meter (N·m), kilogram-force-centimeter (kgf·cm) and pound-force-inch (lbf·in) enables flexible applications across various industries. With a storage capacity of 2,000 measurement groups and the option of data transfer via USB, the measuring instrument is ideal for use in the mechanical engineering industry and in scientific research facilities.

The torque meter operates reliably at ambient temperatures of 5 to 40°C / 41 to 104°F and is powered by a 7.2V NiMH battery, which is optimized for mobile use.

Specification

Torque	
Measuring range	22 ... 220 Nm
Resolution	0,1 Nm
Accuracy	±1 % of Rd
Sensor	
Cable length	150 cm

General technical data	
Measuring functions	peak, Real-time value, MAX
Units	Nm, kgfcm, lbf in
Connections	1/2 inch
Display type	LCD
Display size	3,3 Inch
Storage medium	Internal memory
Storage capacity	2000 Data records
Memory information	The measured value is only saved automatically in peak mode
Interface	Micro-USB
Alarm	Acoustic, optical
Menu language	English (GB), English
Protection class (device)	IP20
Power supply	12V DC / 0.5 A
(Rechargeable) battery	1 x 7,2 V internal , Nickel-metal hydride battery
Capacity	7800 mAh
Operating conditions	5 ... 40 °C , 90 % RH
Storage conditions	-20 ... 70 °C , 90 % RH
Dimensions (L x W x H)	118 x 90 x 103 mm
Weight	397 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk