

Torque Meter PCE-FB 5TS



Torque Meter PCE-FB 5TS /

external torque sensor with keyed chuck /

Graphic display / PEAK function / max. 1000 Hz / USB interface / incl. downloadable software

The torque gauge serves for detection of the loosening torque as well as for tightening of screws. Simultaneously the torque gauge can be used as a monitoring instrument. The torque test instrument provides a keyed chuck with two steady handles.

The torque gauge enables taking of the tools with a maximum diameter of 13 mm and thus offers a wide range of applications. It has two adjustable thresholds which can monitor the rotation of the screws and can warn the user acoustically when the limits are reached. Thus the torque gauge can also be used without display visual contact. The display shows at a glance the breakaway or tightening as well as the current force profile. The sampling rate can be individually set up to 1000 Hz. The measurement data can be transferred during or after the measurement to the torque gauge via the downloadable PC software or can remain in the device stored on the micro SD card. The test instrument is powered by AA mignon replaceable battery packs and thus enables a flexible use.

If you have any further questions about the torque gauge, you are welcome to check the following technical specifications or to use the contact form, or to call PCE. Our technicians and engineers will be glad to give any kind of assistance concerning the "Torque Test Instrument" or any other product from the section control systems, laboratory technology, measuring instruments or weighing equipment of the PCE Instruments.

- ▶ max. 0,5 % accuracy from the measuring range
- ▶ Measuring rate freely adjustable up to 1000 Hz
- ▶ 24 Bit Processor
- ▶ keyed chuck up to Ø 13 mm
- ▶ MIN / MAX Dynamic Display (PEAK)
- ▶ setpoint input with audible warning
- ▶ statistical analysis on the device
- ▶ Units: Nm / N-cm / kgf-m / gf-m / lbf-in
- ▶ multilingual: DE, GB, ES, IT
- ▶ incl. downloadable PC software for evaluation
- ▶ USB and RS-232 interface
- ▶ Overload protection max. 50%

Specifications

Technical Specification

PCE-FB 5TS

Measuring range 5 Nm (0,5 kgf-m)

Resolution 0,002 Nm

Measurement uncertainty $\pm 0,5$ % from the measuring range

Measuring units Nm, Ncm, kgfm, lbfin, gfm

max. overload 50 % of the measuring range

Tool intake with sprocket / keyed chuckup to \varnothing 13 mm

Measuring rate Freely adjustable up to 1.000 values / sec.
24 Bit Processor (16.000.000)

Measuring functions PEAK Function (MIN - MAX Hold) / limit measurement / real-time measurement with Software

Display LCD graphic Display 61 x 34 mm / automatic screen orientation / backlight

Menu guide Multilingual: German / English / Spanish

Memory option Internal memory and Mini SD memory card (the internal memory is limited to a measuring range of up to 6.400 measurements)

Storage manual – by pressing a button
automatic - (adjustable)

Interface Serial RS-232, 9-pin and USB

OPTIONAL: switching contact output
MIN / MAX / OK (see below) + 1 input

Software incl. downloadable PC Software for evaluation and control

Ambient conditions - 10 ... +40 °C

Power supply 4x Ni-MH 2700 mAh AA batteries (replaceable) or via AC adapter
~230 V/12 V; 1,2 A incl.

auto OFF function adjustable

Battery life Approx. 20 Std. (without lighting approx. 45 Std.)

Dimensions evaluator 210 x 110 x 40 mm / 600 g

Dimensions torque sensor \varnothing 50 x 185 mm / 860 g

Cable length to the torque sensor approx. 2 m

More information

Manual



Software Manual



More product info



Similar products



Subject to change

