

Torque/Angle wrench

5413-5101/xxx



- **Easy to operate**
- **3 measurement methods:**
torque, torque/angle, "retightening"
- **Manual measurement and measurement work with software:**
Track, Peak, Preset, retightening and routes
- **Visual (LED status bar), acoustic and sensory (vibration) signal**
- **Up to 2,000 values can be stored**
- **Angle measurement without using a reference arm**

Application

The model 5413-5101/25 - 1000 torque/angle wrench is made to be used for controlled tightening of threaded fasteners and testing the tightening torque.

It provides three different measurement methods:

- Torque measurement
- Torque/angle measurement
- "Retightening"

These can be used for manual measurement or measurement work with the CEUS 8.2 software.

The measurement data (torque and/or angle) can be stored in the wrench and transferred with a customised connection to CEUS 8.2 software.

The torque/angle wrench is configured using a configuration software or the CEUS 8.2 software.

Description

The torque/angle wrench has a hand grip with an integrated battery compartment, a control panel with a display area and a steel tube. The tool fixture is located at the end of the steel tube.

The control panel is used to select a measuring method and start the measurement mode.

With the connection to CEUS 8.2 the test tasks (known as routes) are transferred via the RS 232 interface to the wrench.

The angle measurement of the wrench works without using a reference arm. This enables the user absolute free moving space.

Included in delivery:

- Electronic torque/angle wrench
- Data transmission cable
- Rechargeable battery
- 2 batteries 1,5 V, typ AA

Optional:

- Barcode reader to record identification
- Wireless module for data transfer

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Technical data

Model no.	5413-5101/25	5413-5101/150	5413-5101/300	5413-5101/600	5413-5101/1000 (on request)
Measurement range	2 ... 25 N·m	10 ... 150 N·m	30 ... 300 N·m	100 ... 600 N·m	100 ... 1000 N·m
Special features	Automatic zero-offset correction after switching on the torque/angle wrench. Torque measurement, angle measurement without using a reference arm, and post tightening				
Analysis options	CEUS 8.2 software from release 5.0 SR 6 Curve recording in the wrench (up to 50 curves, resolution: 10 ms) Readings shown in a lit graphic display				
Measurement uncertainty	+/- 1 % tolerance for all readings, +/- 1 digit				
Measurement units	Torque: selectable units N·m, lbf·ft, lbf·in Angle: °				
Material	Display and input area: aluminium alloy Steel tube				
Tool fixture	1/4" fixed	9 x 12 mm rectangular	14 x 18 mm rectangular	22 mm stub	28 mm stub
Baud rate	Preset: 38,400 bauds				
Status indication	Acoustic, visual and sensory indication when the limit of the configured torque or angle tolerance is reached				
Dimensions / fitting dimensions					
Interface	RS 232 Optional: wireless, range about 10 m				
Length [mm]	347	514	753	1055	1464
Weight [kg]	0.850	1.331	1.841	3.218	5.6108
Accessories (not included in delivery)	Interchangeable tool fittings Barcode reader to record identification Wireless module for data transfer				