

**Garant**
**“TWdrive” electronic torque/rotational angle wrench without plug-in head, maximum torque: 30 Nm**

**Order data**

Order number	655250 30
GTIN	4045197607935
Item class	61E

**Description**
**Version:**

Highly precise electronic torque / rotational angle wrench for very reliable screw tightening and checking of screw fastenings. Clear OLED display with colour screen and extremely simple menu navigation. Sturdy wrench with compact housing and sturdy rectangular section shaft. “Direct mode” allows quick general-purpose use. There are up to 200 user-specific screw tightening cases which can be programmed, which can be incorporated in procedural plans. 4 measurement modes: Torque and angle of rotation. Process reliability results achieved by torque with angular monitoring or rotational angle with torque monitoring. Memory capacity for up to 2500 measurements included. Can be programmed by a PC; password protection for security against tampering. Rotary angle measurement can be programmed easily, no reference arm required. Target values and tolerances can be specified. Peak and Track function modes. Integrated automatic reminder of calibration after the number of operations and elapsed time.

**Units of measure:** N·m, lbf·ft, lbf·in.

Torque/rotational angle wrench with **outstanding ergonomics and uniquely user-friendly operation.**

- **Reversible ratchet with ejector.**
- **Easy input of pitch settings: For tools with a different pitch setting simply input the new pitch. No laborious calculations with formulae.**
- **QuickRelease: Secure engagement and quick change of plug-in heads.**
- **Data output: The USB interface allows the saved data to be read out and analysed via PC.**
- **Warning signals: – Acoustic (buzzer) – Visual via 3 LEDs and a colour screen – Tactile (vibration in the handle)**
- **Secure controls. No double assignment of keys.**
- **Comfort setting**

Accuracy class  $\pm 2\%$ .

**Standard:**

Geprüft nach DIN EN ISO 6789.

**Supplied with:**

With sturdy plastic case (size 400 in a sturdy sheet metal case) and 3 batteries (1.5 V Mignon / AA / LR6), USB data cable, and software for transmitting the measured data.

**Note:**

The guaranteed measuring accuracy of the torque is achieved only once the torque range has been calibrated to DIN EN ISO 6789.

Direction of tightening: For right- and left-hand tightening

Torque measuring accuracy:  $\pm 2\%$

Measuring accuracy rotational angle:  $\pm 2\%$

Exchangeable tool: Plug-in head

Interface: USB interface

Test certificate: Manufacturer's test certificate

Overall length L: 277 mm

Torque range: 3 - 30 Nm

Resolution: 0.01 Nm

Weight: 490 g

Adjusted reference dimension on the torque wrench [ $l_2$ ]: 21 mm

Socket for plug-in head: 9×12 mm

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**Technical description**

Weight	490 g
maximum torque	30 Nm
Resolution	0.01 Nm
Socket for plug-in head	9×12 mm
Torque measuring accuracy	$\pm 2\%$
Exchangeable tool	Plug-in head
Torque range	3 - 30 Nm
Article no of the battery / rechargeable battery fitted	081557 LR6
Number of batteries contained	3
Series	TWdrive
Lever length including factory calibration reference dimension [ $l_3$ ]	262 mm
Standard	DIN EN ISO 6789
Trigger principle	Vibration motor
Overall length L	277 mm

Lever length without plug-in head [l <sub>1</sub> ]	242.5 mm
Measurement process	Torque
Measurement process	Rotation angle
Reversible reading	Nm
Reversible reading	lbf·in
Reversible reading	lbf·ft
Feedback	displaying
Display	digital
Setting the trigger value	digital, adjustable
Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]	21 mm
Connection format	for plug-in heads (rectangular socket)
Adjustable trigger value	adjustable
Calibration	O3
Calibration	O5
Direction of tightening	For right- and left-hand tightening
Test certificate	Manufacturer's test certificate
Interface	USB interface
Measuring accuracy rotational angle	±2 %
Data can be recorded	yes
Measurement technology	electronic
Release signalling	optisk
Release signalling	akustisk
Release signalling	haptisk
Power supply	Battery-powered
Type of product	Torque Wrench

## Services

Labelling laser-etched Type	018940
	018821 400/2

Calibration Torque wrench both ends maximum torque 400/2 Nm	
Calibration Rotation angle	018850

## Accessories

Alkaline manganese battery set International size LR6	081557 LR6
Alkaline manganese battery set International size LR6	081558 LR6
Plug-in ratchet with ejector Type-Square drive 1-1/2 inch	657580 1-1/2
Plug-in ratchet Square drive 1-1/4 inch	657620 1-1/4
Plug-in ratchet Square drive 1-3/8 inch	657620 1-3/8
Alkaline-manganese batteries International size LR6	081556 LR6
Plug-in ratchet Square drive 1-1/2 inch	657620 1-1/2
Plug-in ratchet with ejector Type-Square drive 1-3/8 inch	657580 1-3/8
Plug-in ratchet with ejector Type-Square drive 1-1/4 inch	657580 1-1/4
Plug-in ratchet Type-Square drive 1-3/8 inch	657630 1-3/8
Alkaline-manganese batteries International size LR6	081561 LR6
Plug-in ratchet Type-Square drive 1-1/4 inch	657630 1-1/4
Alkaline-manganese batteries International size LR6	081551 LR6
Plug-in ratchet reversible with ejector Type-Square drive 1-1/2 inch	657582 1-1/2
Plug-in ratchet reversible with ejector Type-Square drive 1-3/8 inch	657582 1-3/8
Plug-in ratchet reversible with ejector Type-Square drive 1-1/4 inch	657582 1-1/4
Plug-in ratchet Type-Square drive 1-1/2 inch	657630 1-1/2