

Electronic torque wrench / rotational angle wrench, maximum torque: 12N·m



Order data

| Order number | 655013 12 |
|--------------|---------------|
| GTIN | 4062406577889 |
| Item class | 61D |

Description

Version:

- Display: Large sharp contrast illuminated 2.8 inch TFT display with double scale with viewing angle stability. With battery display and memory display. Torque and rotational angle both displayed at the same time.
- Display: Peak and Track function modes.
- Modes: Displaying torque, triggering torque, triggering rotational angle, triggering rotational angle with rotational angle monitoring, triggering rotational angle with torque monitoring. Up to 100 screw tightening profiles can be programmed. Recurrent screw tightening profiles can be summarised into a procedure (up to 10 procedures each with up to 10 screw tightening profiles). Screw tightening profiles and procedures can be programmed directly on the wrench.
- · Memory capacity: 1000 measurement values with timestamp (incl. date and time).
- Data output: Available via USB-C. The data can the exported as a .csv file.
- Password protection: available as protection against unauthorised access to the menu (master password) and for verifying screw-tightening cases and procedures. In addition, you can set that reworking a screw connection that has been performed incorrectly requires input of a password.
- · Warning signal outputs are haptic (vibration), visual (change of colour at the display, visible through 360° in any direction due to the LED ring with "traffic light function") and acoustic (buzzer, beep sound). The pre-warning point can be configured individually. Haptic and acoustic warning signals can be disabled if desired.
- Easy input of reference dimensions: For tools with a different pitch setting simply input the new pitch. No laborious calculations with formulae.
- Protection class IP40

Data sheet

- The 2-component handle of the torque / rotational angle wrench ensures specially good ergonomics and high torque transmission.
- · Resistant to oils, grease, fuel, brake fluid and Skydrol.
- Languages: German, English, Spanish, Italian, French.
- Factory settings: The wrench can be reset to the factory settings.
- Display of the software version with serial number, load cycle counter and calibration date.
- · Calibration reminder: after number of load cycles.
- · Units of measure: Nm, lbfft, lbt.in.

Standard:

Tested to DIN EN ISO 6789.

Accuracy:

Torque: Clockwise \pm 2 %, anticlockwise \pm 3 %.

Rotation angle: \pm 1° for the measurement range up to 100°, \pm 1% for the measurement range 100° and beyond.

Cutting dataa:

Legend for drawing and formula:

 I_1 = Lever length without plug-in head

 I_2 = Adjusted reference dimension on the torque wrench

 l_3 = Lever length including factory calibration reference dimension

 I_4 = Reference dimension of the plug-in head

L = Total length of the tool

 $T_1 = Torque to be set$

 T_2 = Specified torque

Supplied with:

USB-C data cable, plug-in ratchet (reversible) with ejector, 1 commercially available Li-ion battery type 18650 3.6V / 3400 mAh (can be charged directly within the tool via the USB-C port). Supplied in a sturdy plastic case.

Supplied with:

USB-C data cable, plug-in ratchet (reversible) with ejector, 1 commercially available Li-ion battery type 18650 3.6V / 3400 mAh (can be charged directly within the tool via the USB-C port). Supplied in a sturdy plastic case.

Note:

Suitable additional batteries can be found under No. 081574 size 3500. Charger for 4 batteries available as options under: 081590 size 4ULTRA.

Technical description

| Measuring accuracy rotational angle | ±1 % |
|-------------------------------------|------------------|
| Measurement technology | electronic |
| Torque range | 1.8 - 8.85 lbfft |
| Release signalling | haptisk |

Data sheet

| Release signalling | haptisk |
|---|--|
| Release signalling | acoustic |
| Weight | 735 g |
| Power supply | Rechargeable battery-powered |
| Overall length L | 370 mm |
| maximum torque | 12 Nm |
| Lever length without plug-in head [I ₁] | 282 mm |
| Display diagonal | 2.8 in |
| Torque range | 2.4 - 12 Nm |
| Interface | USB interface |
| Lever length including factory calibration reference dimension $\left[I_3\right]$ | 303 mm |
| Adjustable trigger value | adjustable |
| Standard | DIN EN ISO 6789 |
| Test certificate | Manufacturer's test certificate |
| Measurement process | Rotation angle |
| Measurement process | Torque |
| Battery capacity | 3.4 Ah |
| Adjusted reference dimension on the torque wrench $[I_2]$ | 21 mm |
| Torque range | 21.2 - 106.2 lbfin |
| Direction of tightening | For right and left-hand tightening |
| Resolution | 0.01 Nm |
| Connection format | for plug-in heads (rectangular socket) |
| Nominal voltage | 3.6 V |
| Trigger principle | Vibration motor |
| Measuring accuracy rotational angle | ±1 degrees |
| Socket for plug-in head | 9×12 mm |
| Data can be recorded | yes |
| Type of rechargeable battery | Lithium-ion |
| Setting the trigger value | digital, adjustable |

Data sheet

| Angular resolution | 0.1 degrees |
|--|---------------|
| Square drive | 1/4 in |
| Battery type | 18650 |
| Calibration | O5 |
| Calibration | 03 |
| Reversible reading | lbfin |
| Reversible reading | lbfft |
| Reversible reading | Nm |
| Number of rechargeable batteries contained | 1 |
| Feedback | displaying |
| Torque measuring accuracy | ±2 % |
| Torque measuring accuracy | ±2 % |
| Exchangeable tool | Plug-in head |
| Display | digital |
| Type of product | Torque Wrench |

Suitable products

https://www.hoffmann-group.com/GB/en/hom/p/655013-12