Garant

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



Order data

| Order number | 655010 12 |
|--------------|---------------|
| GTIN | 4062406297596 |
| 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 and 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 both directly at the wrench and also conveniently via the app.
- Possible wireless applications: HCT Windows app and HCT mobile app. The analyser has a bi-directional interface but can also be used independently (without app).
- Apps: The Bluetooth® dongle 498999 STICK (license) and the Windows app software are required to activate the HCT Windows app (https://hog.tools/win-app-hct). The HCT mobile app is available free of charge for iOS and Android.

- Memory capacity: 1000 measurement values with timestamp (incl. date and time). The memory on the wrench can be manually deactivated if the connection to the end device has been established by HID.
- Data output: Available via Bluetooth® or USB-C. Via Bluetooth®: Available via the apps as a .csv file, or directly at the torque wrench via the HID interface for simple and convenient digital documentation. Via the USB C interface: The data can the exported as a .csv file.
- · Wireless approval: The torque wrenches with Bluetooth® interface have valid wireless approval in all EU countries, Switzerland, Norway, Turkey, UK, USA and Mexico.
- 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, 360° LED ring with "traffic light function" clearly visible from anywhere) and acoustic (buzzer). 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.
- 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.
- Time and date on the wrench are updated automatically as soon as it is connected to the app.
- 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, lbfin. with plug-in ratchet.

Advantage:

HCT – Hoffmann Group Connected Tools

Advantages of wireless transmission with Bluetooth:

- Simple data transmission: At the push of a button the measuring result is transmitted directly to your PC application (such as Excel or Word) or to your mobile phone - no dongle necessary.
- Freedom of movement: No messy data transmission cables.
- Independence of location: Measurements can be performed directly to the machine and transmitted by radio to your application.
- Reliable data transmission: No read errors and transmission errors multiple measuring devices can be linked together.

Standard:

Tested to DIN EN ISO 6789.

Data sheet

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

 I_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, reversible ratchet with ejector (size 12 - 340: plug-in ratchet, size 500 and 850: fixed ratchet), 1 commercially available Li-ion battery type $18650 \ 3.6V / 3400 \ mAh$ (can be charged directly in the tool via a USB-C plug). 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. A holder for a bracket or suspension of the torque wrench is available under No. 655039 size 1.

Technical description

| Adjusted reference dimension on the torque wrench $\left[I_2\right]$ | 21.1 mm |
|--|--|
| Measuring accuracy rotational angle | ±1 degrees |
| Connection format | for plug-in heads (rectangular socket) |
| Display | digital |
| Display diagonal | 2.8 in |
| Overall length L | 370 mm |
| Trigger principle | Vibration motor |
| Test certificate | Manufacturer's test certificate |
| Torque range | 2.4 - 12 Nm |
| Calibration | О3 |
| Calibration | O5 |
| Battery capacity | 3.4 Ah |
| Type of rechargeable battery | Lithium-ion |

Data sheet

| Measurement technology | electronic |
|---|------------------------------------|
| Square drive | 1/4 in |
| Resolution | 0.01 Nm |
| Lever length including factory calibration reference dimension $\left[I_3\right]$ | 303 mm |
| Series | HCT |
| Reversible reading | Nm |
| Reversible reading | lbfft |
| Reversible reading | lbfin |
| Direction of tightening | For right and left-hand tightening |
| Number of rechargeable batteries contained | 1 |
| Weight | 735 g |
| Torque range | 21 - 106 lbfin |
| Data can be recorded | yes |
| Exchangeable tool | Plug-in head |
| Socket for plug-in head | 9×12 mm |
| Feedback | displaying |
| Standard | DIN EN ISO 6789 |
| Measuring accuracy rotational angle | ±1 % |
| Torque range | 1.8 - 9 lbfft |
| maximum torque | 12 Nm |
| Release signalling | haptisk |
| Release signalling | acoustic |
| Release signalling | haptisk |
| Interface | Bluetooth® interface |
| Interface | USB interface |
| Setting the trigger value | digital, adjustable |
| Torque measuring accuracy | ±2 % |
| Torque measuring accuracy | ±3 % |
| Lever length without plug-in head [l ₁] | 282 mm |

Data sheet

| Measurement process | Torque |
|--------------------------|------------------------------|
| Measurement process | Rotation angle |
| Nominal voltage | 3.6 V |
| Adjustable trigger value | adjustable |
| Angular resolution | 0.1 degrees |
| Power supply | Rechargeable battery-powered |
| Wireless application | HCT Mobile App |
| Wireless application | HID (Human Interface Device) |
| Wireless application | HCT Windows app |
| Type of product | Torque Wrench |

Suitable products

https://www.hoffmann-group.com/GB/en/hom/p/655010-12