

Garant**Electronic torque screwdriver HCT, maximum torque: 500cNm****Order data**

Order number	659021 500
GTIN	4067263138372
Item class	61D

Description**Version:**

- **Display:** Large, sharp-contrast illuminated 1.3-inch TFT display with viewing angle stability and rotating view to easily read the display regardless of the application. 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. 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 torque screwdriver has a bi-directional interface but can also be used independently (without app).
- **Apps:** The Bluetooth® dongle No. 498999 size 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).
- **Data output:** Available via Bluetooth® or USB-C. Via Bluetooth®: Available via the apps as a .csv file, or directly at the torque screwdriver via the HID interface for simple and convenient digital documentation. Via the USB C interface: The data can be exported as a .csv file.
- **Wireless approval:** The torque screwdrivers with Bluetooth® interface have valid wireless approval in all EU countries, Switzerland, Norway, Turkey and the UK.
- **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, clearly visible 180° LED ring with “traffic light function”) and acoustic (buzzer). Haptic and acoustic warning signals can be disabled if desired.**
- **Protection class IP40.**
- **The 2-component handle of the torque screwdriver ensures especially good ergonomics and high torque transmission.**
- **Resistant to oils, grease, fuel, brake fluid and Skydrol.**
- **Languages: German, English, Spanish, Italian, French.**
- **Factory settings: Can be reset to the factory settings.**
- **Time and date on the torque screwdriver 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.**
- **Tolerances: Three types of tolerance can be set. Relative tolerance in %, absolute tolerance in the unit that was set, and a tolerance window.**
- **Quick-change adapter with magnetic holder for bits.**
- **Unit of measure: cNm, Nm, lbfft, lbfin.**

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.**

Function:

IP40: Protected against penetration by foreign bodies with $\varnothing > 1 \text{ mm}$, however tools and wires should be kept away, and offers no protection against water.

Standard:

Tested to DIN EN ISO 6789.

Accuracy:

Torque: Clockwise and anti-clockwise $\pm 2\%$.

Supplied with:

USB-C data cable, 1 commercially available Li-ion rechargeable battery type 18650 3.6 V / 3400 mA (can be charged directly within 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 optionally available under No. 081590 size 4ULTRA.

Technical description

Bit socket	F 6.3
Resolution	0.1 cNm
Connection format	Bit holder 1/4 inch
Replaceable battery	yes
Setting the trigger value	digital, adjustable
Torque measuring accuracy	±2 %
Battery capacity	3.4 Ah
Torque range	0.8 - 5 Nm
Standard	DIN EN ISO 6789
Data can be recorded	yes
Overall length L	246 mm
Battery voltage	3.6 V
Feedback	acoustic signal
Feedback	displaying
Feedback	triggering
Weight	294 g
Trigger principle	Vibration motor
Interface	Bluetooth® interface
Interface	USB interface
Measurement process	Torque
Reversible reading	cNm
Reversible reading	Nm
Reversible reading	lbfft
Reversible reading	lbfin
Test certificate	Manufacturer's test certificate
Power supply	Mains operated

Display	digital
Number of rechargeable batteries contained	1
Adjustable trigger value	adjustable
Release signalling	acoustic
Release signalling	haptic
Release signalling	visual
Measurement technology	electronic
Battery type	18650
Type of rechargeable battery	Lithium-ion
maximum torque	500 cNm
Torque range	80 - 500 cNm
Series	HCT
Direction of tightening	For right and left-hand tightening
Calibration	O1
Calibration	O3
Wireless application	HID (Human Interface Device)
Wireless application	HCT mobile app
Wireless application	HCT Windows app
App link	HCT (Hoffmann Group Connected Tools)
Type of product	Torque screwdriver

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/659021-500>