

Garant
Electronic torque wrench / rotational angle wrench HCT, maximum torque: 50N·m

Order data

Order number	655010 50
GTIN	4062406298012
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 (<http://ho7.eu/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 be 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:

Please update the application and Bluetooth firmware of your torque wrenches HCT to take full advantage of the benefits! Application firmware from 3.37, Bluetooth firmware from 0.95.

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 annoying data transmission cables.
- **Independence of location:** measurements can be performed directly at 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:

Geprüft nach DIN EN ISO 6789.

Accuracy:

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

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

Cutting dataa:

Legend for drawing and formula:

l_1 = Lever length without plug-in head
 l_2 = Adjusted reference dimension on the torque wrench
 l_3 = Lever length including factory calibration reference dimension
 l_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 torque wrench bracket or mounting is available under No. 655039 size 1.

Technical description

maximum torque	50 Nm
Exchangeable tool	Plug-in head
Calibration	O3
Calibration	O5
Weight	890 g
Display diagonal	2.8 in
Torque range	89 - 433 lbf·in
Connection format	for plug-in heads (rectangular socket)
Interface	Bluetooth interface
Interface	USB interface
Feedback	displaying
Measuring accuracy rotational angle	±1 degrees
Nominal voltage	3.6 V
Adjustable trigger value	adjustable
Torque range	10 - 50 Nm
Torque measuring accuracy	±2 %
Torque measuring accuracy	±3 %

Reversible reading	Nm
Reversible reading	lbfft
Reversible reading	lbfm
Resolution	0.01 Nm
Display	digital
Test certificate	Manufacturer's test certificate
Square drive	3/8 in
Setting the trigger value	digital, adjustable
Lever length including factory calibration reference dimension [I ₃]	337.2 mm
Series	HCT
Socket for plug-in head	9×12 mm
Measurement technology	electronic
Overall length L	407.5 mm
Measurement process	Torque
Measurement process	Rotation angle
Standard	DIN EN ISO 6789
Lever length without plug-in head [I ₁]	309.2 mm
Release signalling	haptisk
Release signalling	acoustic
Release signalling	haptisk
Data can be recorded	yes
Measuring accuracy rotational angle	±1 %
Type of rechargeable battery	Lithium-ion
Number of rechargeable batteries contained	1
Trigger principle	Vibration motor
Direction of tightening	For right and left-hand tightening
Battery capacity	3.4 Ah
Torque range	7.5 - 37 lbfft
Adjusted reference dimension on the torque wrench [I ₂]	28 mm

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

Services

CalibrationRotation angle Type W	020070 W
CalibrationTorque wrench clockwise / anti-clockwise maximum torque 400/2 N·m	020030 400/2
DAkkS calibrationTorque wrench clockwise / anti-clockwise maximum torque 1000/2 N·m	020040 1000/2