



### Electronic torque wrench / rotational angle wrench with plug-in ratchet, HCT, maximum torque: 100N·m



#### Order data

|              |            |
|--------------|------------|
| Order number | 655015 100 |
| GTIN         |            |
| Item class   | 60N        |

#### Description

##### Version:

Highly precise electronic torque / rotational angle wrench for screw tightening and checking of screw fastenings. Clear OLED display with colour screen and extremely simple menu navigation. Sturdy wrench with "Direct mode" for quick general-purpose use. 4 measurement modes: Torque and angle of rotation. Process reliability results achieved by torque with angular monitoring or rotational angle with torque monitoring. Can be programmed by a PC; password protection for security against tampering. Rotary angle measurement can be programmed easily, no reference arm required. Peak and Track function modes.

The wrench can be used in trigger mode. When the set torque or rotational angle is reached the wrench triggers with acoustic and tactile signals like a conventional mechanical torque wrench.

**Units of measure:** Nm, lbfft, lbfin.

Highlights:

- **Torque wrench is simple to integrate into the HCT worker guidance system.**
- **Bluetooth® update for the HCT adapter is performed over the air.**
- **Availability of an open protocol interface via the HCT Windows app.**
- **Can be used in combination with our GARANT torque tester HCT; supplementary HCT functions can be used (1st peak mode with simultaneous display of measurement from the MANOSKOP® 766 DAPTIQ® HCT and the GARANT torque tester HCT on the display of the tester).**
- **Electromechanical torque/rotational angle wrench with true mechanical actuation.**

##### 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.

### Cutting data:

### 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:

Includes sturdy plastic box (size 400 to size 1000 in a sheet metal box) and 4 batteries (1.5 V Micro / AAA / LR3), USB data cable.

### Note:

- **Matching rechargeable battery available under Stahlwille number 54101195.**
- **Matching charging dock available under Stahlwille number 54100060.**

## Technical description

|                         |                                    |
|-------------------------|------------------------------------|
| Interface               | USB interface                      |
| Interface               | Bluetooth® interface               |
| Power supply            | Battery-powered                    |
| Data can be recorded    | yes                                |
| Battery type            | LR3                                |
| Standard                | DIN EN ISO 6789                    |
| Direction of tightening | For right and left-hand tightening |
| Feedback                | triggering                         |
| Reversible reading      | Nm                                 |
| Reversible reading      | lbfft                              |
| Reversible reading      | lbfin                              |
| Calibration             | O3                                 |
| Calibration             | O5                                 |

## Data sheet

|                                                                                  |                                        |
|----------------------------------------------------------------------------------|----------------------------------------|
| Calibration                                                                      | O1                                     |
| Test certificate                                                                 | Manufacturer's test certificate        |
| Release signalling                                                               | acoustic                               |
| Release signalling                                                               | haptic                                 |
| Adjusted reference dimension on the torque wrench [l <sub>2</sub> ]              | 17.5 mm                                |
| Exchangeable tool                                                                | Plug-in head                           |
| Torque measuring accuracy                                                        | ±2 %                                   |
| maximum torque                                                                   | 100 Nm                                 |
| Resolution                                                                       | 0.1 Nm                                 |
| Lever length without plug-in head [l <sub>1</sub> ]                              | 410.5 mm                               |
| Measurement process                                                              | Torque                                 |
| Measurement process                                                              | Angle of rotation                      |
| Measurement technology                                                           | electronic                             |
| Wireless application                                                             | HID (Human Interface Device)           |
| Wireless application                                                             | HCT mobile app                         |
| Wireless application                                                             | HCT Windows app                        |
| Connection format                                                                | for plug-in heads (rectangular socket) |
| Measuring accuracy rotational angle                                              | ±1 %                                   |
| Lever length including factory calibration reference dimension [l <sub>3</sub> ] | 428 mm                                 |
| Torque range                                                                     | 10 - 100 Nm                            |
| Trigger principle                                                                | mechanical short travel release        |
| #Number of batteries contained                                                   | 4                                      |
| Socket for plug-in head                                                          | 9×12 mm                                |
| Display                                                                          | digital                                |
| Packaging                                                                        | sturdy plastic case                    |
| Setting the trigger value                                                        | digital, adjustable                    |
| Adjustable trigger value                                                         | adjustable                             |
| Square drive                                                                     | 1/2 in                                 |

|                 |                                         |
|-----------------|-----------------------------------------|
| App link        | HCT (Hoffmann Group<br>Connected Tools) |
| Series          | DAPTIQ®                                 |
| Series          | HCT                                     |
| Series          | MANOSKOP® 766                           |
| Type of product | Torque wrenches                         |

**Suitable products**

<https://www.hoffmann-group.com/GB/en/hom/p/655015-100>