



## Angle and torque wrench MANOSKOP®

714



Product no. **96500910**  
GTIN **4018754222827**  
Model **MANOSKOP® 714/10**



**Label.** Angle and torque wrench MANOSKOP® 714 10-100N·m 9 x 12 mm L. 466mm

## Benefits.

An angle and torque wrench for bolted joints in accordance with the torque, angle of rotation, torque with "angle of rotation" monitoring variable and angle of rotation with "torque" monitoring variable tightening method.

Visual evaluation of the bolted joint.

Thanks to the combination of the patented electromechanical triggering and the display and acoustic feedback, the wrench provides signalling with maximum optimisation.

Electromechanically displaying (with electronic measurement) and triggering (with the familiar mechanical "click").

Simple documentation of the recorded measurements on the PC via the USB interface and via an optional Bluetooth Low Energy module.

## Product highlights.



### Angle of rotation and torque measurement

Our torque and angle wrenches make it possible to tighten bolted joints in accordance with the torque, angle of rotation, torque with 'angle of rotation' monitoring variable and angle of rotation with 'torque' monitoring variable tightening method. Thanks to this functional diversity, the wrench is suitable for the most popular tightening methods.



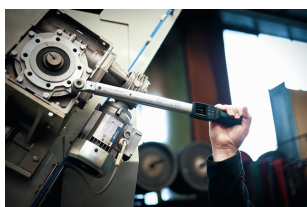
### Electromechanical clicking type.

The MANOSKOP® with patented electromechanical release measures the applied torque electronically. A visual evaluation of the bolted connection is provided by a display and signal lights on the side. Unlike a purely electronic torque wrench, the cycle and haptic user feedback are also mechanical. A clearly perceptible cycle and an equally audible click indicate that the target value has been reached.



### Comprehensive documentation.

Our electromechanical torque wrenches can be documented. They can be easily configured and programmed using the SensoMaster software. This means that all data can be read out, stored and subjected to further processing on the PC for better monitoring and optimization of the work processes. The digital measurement also allows the actual torque which has been applied (actual value) to be specified after triggering, as well as the target value.



### Also suitable for difficult application areas.

STAHLWILLE electromechanical torque wrenches are ideal for application areas in which electronic torque wrenches are pushed to their signalling limits - such as when working overhead or if the display cannot be read off. Even in noisy, busy and very bright environments which can make it difficult to perceive vibrations or visual and acoustic signals, electromechanical torque wrenches use patented haptic feedback to indicate that the target value has been reached.



### More reliability.

Our electromechanical torque wrenches minimise operating errors. Screw joints and sequence plans, for example, can be parameterized and saved. The torque wrench then automatically sets the clicking type torque for the selected bolted joint. The clicking type torque is also specified digitally so that parallax effects (errors caused by to an incorrect reading angle), which are possible when using a mechanical scale are eliminated.



### Perfect entry level solution.

Electromechanical STAHLWILLE torque wrenches make it easier to switch from purely mechanical to documenting torque wrenches. Users who previously only worked with mechanical wrenches become accustomed to them more quickly because our electromechanical torque wrenches provide maximum optimized signalling with haptic, acoustic and visual feedback. This simplifies the switch to digital technology.

## Technologies and features.



### 2-component handle

Our 2-component handle is non-slip and ergonomically designed. It is resistant to the most common oils, greases, fuels, brake fluids, and Skydrol. The arrow markings on the handle indicate the direction of operation.

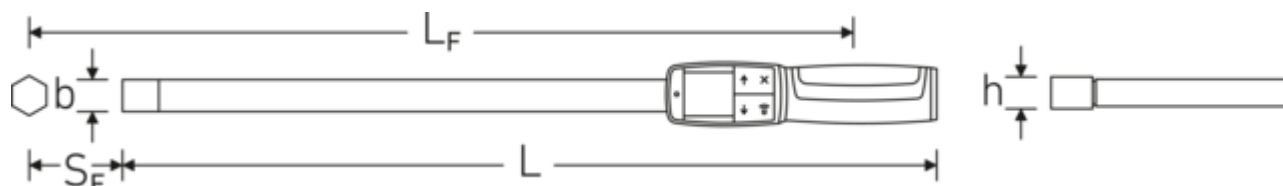


### QuickRelease

The QuickRelease safety lock prevents unintentional loss of insert tools. These click securely into place, and are only released again at the push of a button for a quick tool change. In transducers: The QuickRelease safety lock helps you to quickly mount and change transducers. The transducers lock into the calibration system and only unlock again at the push of the buttons.

**DIN EN ISO 6789-2**

Our torque wrenches and torque screwdrivers are professionally calibrated in accordance with DIN EN ISO 6789-2 and delivered with a corresponding calibration certificate. We also calibrate angle-controlled torque wrenches in accordance with VDI 2648-2. This ensures the accuracy and traceability of our tools.

**Technical drawing.****Technical attributes.**

|                                    |                        |
|------------------------------------|------------------------|
| Measuring range N·m                | 10-100 N·m             |
| Measuring range ft·lb              | 7,4-75 ft·lb           |
| Measuring range in·lb              | 90-900 in·lb           |
| Battery type                       | Micro (AAA) 1,5V       |
| Width mm (b)                       | 28 mm                  |
| DIN                                | DIN EN ISO 6789-2:2017 |
| Weight with box                    | 1655 g                 |
| Size                               | 10                     |
| Tool holder size [internal square] | 9 x 12 mm              |
| Height mm (h)                      | 23 mm                  |
| Length mm (L)                      | 466 mm                 |
| LF                                 | 428 mm                 |
| SF                                 | 17,5 mm                |

**Logistics data.**

|                                     |                      |
|-------------------------------------|----------------------|
| Depth mm (IFS)                      | 680                  |
| Width mm (IFS)                      | 65                   |
| Height mm (IFS)                     | 70                   |
| WEEE/ElektroG                       | Kleingeräte B2C      |
| Length (packaged, mm)               | 710                  |
| Width (packaged, mm)                | 100                  |
| Height (packaging, mm)              | 80                   |
| Volume (packaged, dm <sup>3</sup> ) | 5.68 dm <sup>3</sup> |
| Product no.                         | 96500910             |
| Weight (gross, kg)                  | 1,655                |
| Weight PAP (kg)                     | 0,130                |
| Weight PVC (kg)                     | 0,000                |
| GTIN                                | 4018754222827        |
| Country of origin AWR               | GERMANY              |
| Region of origin                    | Nordrhein-Westfalen  |
| Customs tariff no.                  | 82041100             |
| Packing standard                    | 1                    |
| Weight (g)                          | 1085 g               |

# Parts list.



81370003  
Plastic box, empty



59220003  
Battery



51110057  
USB cable

# Variants.

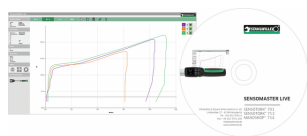
| Product no. | Model No. (ERP)      | Description                                                                  | GTIN          |
|-------------|----------------------|------------------------------------------------------------------------------|---------------|
| 96500901    | MANOSKOP®<br>714/1   | Angle and torque wrench MANOSKOP®<br>714 1-10N·m 9 x 12 mm L. 226mm          | 4018754222780 |
| 96500902    | MANOSKOP®<br>714/2   | Angle and torque wrench MANOSKOP®<br>714 2-20N·m 9 x 12 mm L. 226mm          | 4018754222797 |
| 96500904    | MANOSKOP®<br>714/4   | Angle and torque wrench MANOSKOP®<br>714 4-40N·m 9 x 12 mm L. 252mm          | 4018754222803 |
| 96500906    | MANOSKOP®<br>714/6   | Angle and torque wrench MANOSKOP®<br>714 6-60N·m 9 x 12 mm L. 393mm          | 4018754222810 |
| 96500910    | MANOSKOP®<br>714/10  | Angle and torque wrench MANOSKOP®<br>714 10-100N·m 9 x 12 mm L. 466mm        | 4018754222827 |
| 96500920    | MANOSKOP®<br>714/20  | Angle and torque wrench MANOSKOP®<br>714 20-200N·m 14 x 18 mm L. 547mm       | 4018754222834 |
| 96500940    | MANOSKOP®<br>714/40  | Angle and torque wrench MANOSKOP®<br>714 40-400N·m 14 x 18 mm L. 687mm       | 4018754222841 |
| 96500965    | MANOSKOP®<br>714/65  | Angle and torque wrench MANOSKOP®<br>714 65-650N·m 22 x 28 mm L. 890mm       | 4018754222858 |
| 96500980    | MANOSKOP®<br>714/80  | Angle and torque wrench MANOSKOP®<br>714 80-800N·m 22 x 28 mm L. 1158mm      | 4018754222865 |
| 96500100    | MANOSKOP®<br>714/100 | Angle and torque wrench MANOSKOP®<br>714 100-1000N·m 22 x 28 mm L.<br>1343mm | 4018754222773 |

# GTIN.



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## Accessories (for).



96585235  
SensoMaster Live  
software



81370002  
Plastic box, empty



96521161  
Interface adapter set



52110061  
Interface adapter



54101195  
Li-Ion battery



52110162  
Support for docking  
station No. 7762



52110062  
Docking station



52110220  
Bluetooth Low Energy  
module 714