

## MANOSKOP® tightening angle torque wrenches w.reversible ratchet insert tool

### 714R



Art.No. **96501020**  
 GTIN **4018754212767**  
 Model **714R/20**

#### Label.

MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 20-200N·m Drive 1/2 L. 594mm

#### Features.

- 4 measuring modes (torque, angle, torque backed up by angle, angle backed up by torque)
- high-definition colour display with additional side-mounted indicator lamps
- freely configurable menu structure
- optionally: Li-ion battery No 7195-2 and charger No 7160
- 3 function modes: cut-out, peak hold (indicating mode with peak value) and track (indicating mode with current value)
- micro USB interface
- bayonet connection for battery compartment
- QuickRelease safety lock change system for insert tools
- data storage ( $\leq 2500$  tightening jobs)
- as many as 200 joints can be programmed in up to 25 preset sequences
- different tolerance limits can be set for each joint
- acoustic and visual assessment of the joint
- rapid, accurate setting via keypad
- the automatic keypad lock prevents inadvertent changes
- overload protection by means of acoustic and visual signals and a fail-safe system (clockwise)
- automatic notification of the next calibration date, either by the number of joints or the time interval
- fully automated calibrating and adjusting using the perfectControl® calibrating and adjusting unit No 7794-2 (torque) or 7794-3 (torque and angle)
- units of measure: N·m, ft·lb, in·lb
- tightening torque is automatically corrected if a deviating extension is entered
- immediately reusable after release
- clockwise and anticlockwise tightening – it may be necessary to refit the insert tool rotated through 180° for anticlockwise tightening in the cut-out mode
- tactile and acoustic trigger signal
- torque and angle are simultaneously visible
- all readings are independent of the point of application of force (with sizes 1, 2 and 4)
- safe handling due to ergonomically designed handle (resistant to oils, grease, fuels, brake fluid and skydrol)

- 3 certificates (torque indicating/clicking in accordance with DIN EN ISO 6789-2:2017, angle)
- in sturdy plastic box (size 40-100 in steel box)
- design patent, patent
- supplied with SENSOMASTER 4 software, USB cable, 4 AAA/LR03 micro-batteries, 1.5 V. AAA, 1.2 V, micro NiMH rechargeable batteries can be used
- display resolution, angle 0.1°
- **display deviation value, angle  $\pm 1\%$ ,  $\pm 1$  digit**
- display resolution, torque  $\leq 60$  N·m: 0.01 N·m;  $> 60$  N·m: 0.1 N·m;  $> 400$  N·m: 1 N·m
- **display deviation value, torque  $\pm 2\%$ ,  $\pm 1$  digit**

## Advantages.

4 measuring modes (torque, angle, torque backed up by angle, angle backed up by torque)

## Product highlights.



### Electromechanical triggering.

The best of both worlds: electromechanical torque wrenches from STAHLWILLE combine the uncompromising accuracy of an electronic torque tool with the comforting tactile feedback of a mechanical trigger mechanism.



### Audited.

All our angle-controlled torque wrenches have a logging function. Using the corresponding software (this is an optional extra), it is possible to read out programmed, stored readings and archive them on the PC – for example by the serial number of the tool, date and timestamp of the tightening operation, target torque and angle and the torques and angles actually recorded.



### Made to measure.

Four measuring modes (torque, angle, torque backed up by angle, angle backed up by torque).



### Versatile.

Three function modes: first peak, peak (indicating mode) and track (indicating mode).



### HD-Display.

High-density colour display providing a reading angle up to 170° and with additional side-mounted indicator lamps. Yellow lamp: advance warning threshold reached green lamp: within the target range red lamp: reading is outside the tolerance range.

## Technical Attributes.

External square drive (inch)	1/2
Battery type	Micro-NiMH AAA, 1.2V
Width mm (B)	80 mm
Weight with box	2198 g
Size	20
Size square socket [inside square drive]	14 x 18 mm
Height mm (h)	70 mm
Length mm (L)	594 mm
Measuring range ft·lb	15-150 ft·lb
Measuring range in·lb	180-1800 in·lb
Measuring range N·m	20-200 N·m

## Logistics data.

Depth mm (IFS)	680
Width mm (IFS)	80
Height mm (IFS)	70
Length (packed, mm)	700
Width (packed, mm)	100
Height (packed, mm)	75
Volume (packed, dm <sup>3</sup> )	5.25 dm <sup>3</sup>
Art. no.	96501020
Weight (gross, kg)	2,225
Weight PAP (kg)	0,130
Weight PVC (kg)	0,000
GTIN	4018754212767
Country of origin	GERMANY
Region of origin	Nordrhein-Westfalen
WEEE/ElektroG	Großgeräte B2C
Customs tariff no.	82041100
Packing standard	1
Weight	1663 g

## Parts list.



81370003  
Plastic case, empty



59220003  
Battery



51110057  
USB cable

## Variants.

Art. no.	Art. no. (ERP)	Description	GTIN
96501001	714R/ 1	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 1-10N·m Drive 1/4 L. 269mm	4018754212712
96501002	714R/ 2	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 2-20N·m Drive 1/4 L. 269mm	4018754212729

96501004	714R/ 4	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 4-40N·m Drive 1/4 L. 295mm	4018754212736
96501006	714R/ 6	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 6-60N·m Drive 3/8 L. 427mm	4018754212743
96501010	714R/10	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 10-100N·m Drive 1/2 L. 500mm	4018754212750
96501020	714R/20	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 20-200N·m Drive 1/2 L. 594mm	4018754212767
96501040	714R/40	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 40-400N·m Drive 3/4 L. 737mm	4018754212774
96501065	714R/65	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 65-650N·m Drive 3/4 L. 980mm	4018754212781
96501080	714R/80	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 80-800N·m Drive 3/4 L. 1253mm	4018754212798
96501100	714R/100	MANOSKOP tightening angle torque wrenches w.reversible ratchet insert tool No. 714R Measuring r. 100-1000N·m Drive 3/4 L. 1438mm	4018754212804

## GTIN-Code.



## Accessories.



96521161  
Interface adaptor set



52110061  
Interface adaptor



52110220  
Bluetooth modules for  
torque wrench

## Images.

