



Electronic torque wrench / rotational angle wrench with plug-in ratchet, maximum torque: 60N·m



Order data

Order number	655230 60
GTIN	2050002047075
Item class	63A

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. Up to 200 screw tightening cases can be programmed, which can be incorporated in procedural plans. 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 audible and tactile signals like a conventional mechanical torque wrench.

Units of measure: Nm, lbfft, lbfin.

- **Reversible ratchet**
- **Easy input of reference: For tools with a different reference dimension, simply input the new dimension. No laborious calculations with formulae.**
- **QuickRelease: Secure fit and quick change for plug-in heads.**
- **Automatic reminder of calibration: After the number of operations and elapsed time**
- **Data output: The USB interface allows the saved data to be exported and analysed via PC.**
- **Memory capacity: For up to 2500 measurements.**
- **Easy to use: The arrow keys allow all functions to be selected. Clear and simple menu navigation.**
- **Warning signals: – Acoustic (buzzer) – Visual via 3 LEDs and a colour screen**
- **2-component handle: Resistant to oils, greases, fuels, and Skydrol.**

MANOSKOP® 714 electromechanical rotation angle torque wrench combines the best of two worlds. Users benefit from a precise, electronic measurement, but can also feel and hear the well-known "clicking" of mechanical torque wrenches.

Standard:

Geprüft nach DIN EN ISO 6789.

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:

With sturdy plastic case (size 400 in a sturdy sheet metal case) and 4 batteries (1.5 V micro / AAA / LR3), USB data cable, and SENSOMASTER 4 software for transmitting the measured data.

Note:

Suitable Bluetooth module available via eShop (No. 52110220).

Technical description

Socket for plug-in head	9×12 mm
Square drive	3/8 in
maximum torque	60 Nm
Resolution	0.1 Nm
Weight	965 g
Torque measuring accuracy	±2 %
Exchangeable tool	Plug-in head
Torque range	6 - 60 Nm
Torque range	4.5 - 45 lbfft
Article no of the battery / rechargeable battery fitted	081557 LR3
Number of batteries contained	4
Torque range	54 - 540 lbfin
Series	MANOSKOP® 714
Measurement process	Torque
Measurement process	Rotation angle
Overall length L	427 mm
Lever length without plug-in head [l_1]	355 mm
Adjusted reference dimension on the torque wrench [l_2]	17.5 mm

Connection format	for plug-in heads (rectangular socket)
Reversible reading	Nm
Reversible reading	lbf·in
Reversible reading	lbf·ft
Display	digital
Standard	DIN EN ISO 6789
Lever length including factory calibration reference dimension [L ₃]	372.5 mm
Feedback	visning
Feedback	udløsning
Setting the trigger value	digital, adjustable
Trigger principle	mechanical short-travel release
Adjustable trigger value	adjustable
Calibration	O3
Calibration	O5
Calibration	O1
Direction of tightening	For right- and left-hand tightening
Test certificate	Manufacturer's test certificate
Interface	USB interface
Measuring accuracy rotational angle	±1 degrees
Measuring accuracy rotational angle	±1 %
Data can be recorded	yes
Measurement technology	electronic
Release signalling	optisk
Release signalling	akustisk
Release signalling	haptisk
Power supply	Battery-powered
Type of product	Torque Wrench

Services

CalibrationTorque wrench maximum torque 400 N·m	020010 400
DAkkS calibrationTorque wrench maximum torque 1000 N·m	020020 1000

Accessories

Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-1/4 in	657590 1-1/4
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657600 1-3/8
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-1/2 in	657590 1-1/2
Plug-in ratchet reversible Type-Square drive 1-1/2 in	657600 1-1/2
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-3/8 in	657590 1-3/8
Alkaline-manganese batteries International size LR3	081561 LR3
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657600 1-1/4
Alkaline-manganese batteries International size LR3	081551 LR3
Electronic torque wrench / rotational angle wrenchwithout plug-in head maximum torque 60 N·m	655235 60