



Electromechanical torque wrench, maximum torque: 650N·m



Order data

Order number	655290 650
GTIN	4018754187638
Item class	63A

Description

Version:

Unique electro-mechanical wrench, which combines both the **“displaying”** and **“triggering”** functions in a single device. When the set torque is reached the wrench triggers, with acoustic and tactile signals like a conventional mechanical torque wrench. In addition the value achieved is displayed and can be transferred to a PC. The additional **“displaying”** mode provides a continuous visual indication to the user of the torque that is being applied. Saves and documents up to 7500 screw tightening events. An automatic key lock prevents accidental changes to the settings. A PIN code can be entered to prevent unauthorised changes to the settings. The wrench offers a very wide measurement range. Integrated automatic reminder of calibration after the number of operations and elapsed time.

Units of measure: Nm, lbfft, lbfin.

- **Easy input of pitch settings: For plug-in heads with a different reference dimension, simply input the new dimension. No laborious calculations with formulae.**
- **QuickRelease: Secure engagement and quick change of plug-in heads.**
- **Robust, compact body.**
- **Tolerance limit settings, shown clearly on a display with colour changes.**
- **Very simple operation; complete use and menu selection with just 4 buttons.**
- **2-component handle, resistant to oils, greases, fuels, brake fluids, and Skydrol.**
- **USB interface for exporting the data.**

With reversible plug-in ratchet.

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:

Sturdy plastic box (sizes 100 and 200) and sturdy metal box (from size 400) with 2 batteries (1.5 V mignon / AA / LR6).

Optional extras:

USB adapter, cable with latching plug, SENSOMASTER 4 software.

Note:

The guaranteed measuring accuracy of the torque is achieved only once the torque range has been calibrated to DIN EN ISO 6789.

Technical description

maximum torque	650 Nm
Resolution	0.1 Nm
Adjustment resolution	1 Nm
Square drive	3/4 in
Weight	3767 g
Socket for plug-in head	14×18 mm
Torque measuring accuracy	±2 %
Exchangeable tool	Plug-in head
Torque range	65 - 650 Nm
Torque range	48 - 480 lbfft
Article no of the battery / rechargeable battery fitted	081561 LR6
Number of batteries contained	2
Torque range	580 - 5800 lbfin
Series	MANOSKOP® 730DR
Lever length without plug-in head [l_1]	837 mm
Measurement process	Torque
Standard	DIN EN ISO 6789
Adjusted reference dimension on the torque wrench [l_2]	25 mm
Overall length L	920 mm
Feedback	vising

Feedback	udløsning
Feedback	acoustic signal
Trigger principle	mechanical short-travel release
Setting the trigger value	digital, adjustable
Adjustable trigger value	adjustable
Display	digital
Lever length including factory calibration reference dimension [L ₃]	862 mm
Reversible reading	Nm
Reversible reading	lbf·in
Reversible reading	lbf·ft
Connection format	for plug-in heads (rectangular socket)
Calibration	O1
Direction of tightening	For right- and left-hand tightening
Test certificate	Manufacturer's test certificate
Interface	USB interface
Data can be recorded	yes
Measurement technology	electronic
Release signalling	optisk
Release signalling	akustisk
Release signalling	haptisk
Battery type	Mignon, AA
Power supply	Battery-powered
Quick release/ quick-change function	yes
Type of product	Torque Wrench

Services

DAkKS calibrationTorque wrench maximum torque 1000 N·m	020020 1000
CalibrationTorque wrench maximum torque 1000 N·m	020010 1000

Accessories

Alkaline-manganese batteries International size LR6	081551 LR6
Plug-in ratchet reversible with QuickRelease ejector Type-Square drive 2-1/2 in	657590 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4 in	657600 2-3/4
Plug-in ratchet reversible Type-Square drive 2-1/2 in	657600 2-1/2
Plug-in ratchet reversible Type-Square drive 2-3/4HD in	657600 2-3/4HD
Alkaline-manganese batteries International size LR6	081561 LR6