



Electronic torque wrench / rotational angle wrench, maximum torque: 60N·m



Order data

Order number	655270 60
GTIN	4018754156504
Item class	63A

Description

Version:

The torque/rotational angle wrench offers easy and flexible operation with menu selection on a large display. Recurrent screw settings can be collected on to a menu driven procedure. The early warning of the **visual, tactile and acoustic** signals is adjustable. Resistant to oils, grease, fuel, brake fluid and Skydrol. The wrench is easy to maintain due to simple adjustment, can be programmed via a PC and offers a large measurement range. Password input ensures protection against unintentional adjustment and external access. Torque and rotational angle both displayed at the same time. Rotary angle measurement can be programmed easily, no reference arm required.

- **Robust, compact body.**
- **Easy and flexible operation with menu selection on a large display.**
- **Recurrent screw settings can be collected on to a menu driven procedure.**
- **Especially large measuring range (5% – 100% of the nominal value).**
- **Adjustable early warning of the visual, tactile and acoustic signals.**
- **Resistant to oils, grease, fuel, brake fluid and Skydrol.**
- **Programmable using a PC.**
- **Easy to maintain due to simple adjustment.**
- **Integrated automatic reminder of calibration after the number of operations and elapsed time.**
- **Password protection against inadvertent change of settings and tampering.**
- **With 2 batteries (1.5 V mignon / AA / LR6).**
- **Torque and rotational angle both displayed at the same time.**
- **Convenient rotation angle measurement, no need for a reference arm.**
- **Easy input of reference: For plug-in heads 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.**
- **Rotation angle measurement needs no reference arm.**
- **Easy to use: The arrow keys allow all functions to be selected. Clear and simple controls.**
- **Automatic reminder of calibration: After the number of operations and elapsed time.**

- **Warning signals:** Warning signals can be selected as acoustic (buzzer), tactile (vibration in the handle), visual (LEDs and display) or any combination of these. The early warning point can be entered individually.
- **Any point of application of force:** The measurement remains precise in all cases, irrespective of where you grip the torque wrench.
- **Data output:** The USB interface allows the saved data to be exported and analysed via PC.
- **Background illumination of the display for better legibility and evaluation of the screwing process (traffic light principle).**

Units of measure: Nm, lbfft, lbfin.

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 (size 400 in sturdy sheet metal box) and 2 batteries (1.5V mignon / AA / LR6).

Optional extras:

USB adapter, cable with latching plug and 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

Weight	856 g
Square drive	3/8 in
Resolution	0.01 Nm
Socket for plug-in head	9×12 mm
Packaging	sturdy sheet metal case
maximum torque	60 Nm
Torque measuring accuracy	±1 %
Exchangeable tool	Plug-in head
Torque range	3 - 60 Nm

Torque range	2.5 - 44 lbfft
Number of batteries contained	2
Article no of the battery / rechargeable battery fitted	081561 LR6
Torque range	27 - 540 lbfin
Series	SENSOTORK® 713R
Adjustable trigger value	adjustable
Measurement process	Torque
Measurement process	Rotation angle
Connection format	for plug-in heads (rectangular socket)
Lever length without plug-in head [l ₁]	299 mm
Reversible reading	Nm
Reversible reading	lbfin
Reversible reading	lbfft
Display	digital
Trigger principle	Vibration motor
Adjusted reference dimension on the torque wrench [l ₂]	17.5 mm
Feedback	displaying
Setting the trigger value	digital, adjustable
Overall length L	378 mm
Lever length including factory calibration reference dimension [l ₃]	316.5 mm
Standard	DIN EN ISO 6789
Calibration	O3
Calibration	O5
Direction of tightening	For right- and left-hand tightening
Test certificate	Manufacturer's test certificate
Interface	USB interface
Measuring accuracy rotational angle	±1 %
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
Type of product	Torque Wrench

Services

CalibrationRotation angle Type W	020070 W
DAkKS calibrationTorque wrench clockwise / anti-clockwise maximum torque 1000/2 N·m	020040 1000/2
CalibrationTorque wrench clockwise / anti-clockwise maximum torque 400/2 N·m	020030 400/2

Accessories

Alkaline-manganese batteries International size LR6	081551 LR6
Alkaline-manganese batteries International size LR6	081561 LR6
Plug-in ratchet reversible Type-Square drive 1-1/4 in	657600 1-1/4
Plug-in ratchet reversible Type-Square drive 1-1/2 in	657600 1-1/2
Plug-in ratchet reversible Type-Square drive 1-3/8 in	657600 1-3/8
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-3/8 in	657590 1-3/8
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-1/4 in	657590 1-1/4
Plug-in ratchet reversiblewith QuickRelease ejector Type-Square drive 1-1/2 in	657590 1-1/2