STAHLWILLE®

Electromechanical torque wrenches MANOSKOP®

730D/2 eClick

Product no.	**96501402**
GTIN	**4018754365654**
Model	**MANOSKOP® 730D/2 eClick**

Label.

Electromechanical torque wrenches MANOSKOP® 730D/2 eClick 2-20N·m 9 x 12 mm L. 226mm

Properties.

- eClick - electromechanical click
- acoustic, haptic, and visual trigger signal
- with holder for interchangeable insert tools
- torque measurement, angle of rotation measurement can be activated as an option
- high-resolution colour OLED display and side signal lights
- visual evaluation of the bolted joint: yellow light (pre-warning threshold reached), green light (within tolerance range), red light (measurement outside tolerance range)
- freely configurable menu structure
- rapid adjustment and direct setting of the target value
- battery cap/battery pack with bayonet connection
- optional: Li-ion battery no. 7195-2 and charger no. 7160
- 3 function modes: clicking (patented electromechanical click), peak hold (indicating mode with peak value display) and track (indicating mode with actual value display)
- micro USB interface for data communication
- optional Bluetooth Low Energy module (5.2) or WLAN module
- QuickRelease safety lock - switching system for insert tools
- data storage for up to 2,500 bolting processes, including date and time stamp
- different tolerance limits can be set depending on the type of bolted joint
- fast and precise adjustment via the keyboard
- no unintentional adjustments thanks to password-protected keypad lock
- acoustic and visual signal warns of torque wrench overload and forced clicking in clockwise tightening mode
- automatic indication of the next calibration date, user-configurable by time interval and/or number of joints
- fully automatic calibration and adjustment with the perfectControl® calibration and adjustment system no. 7794-2 (torque) or 7794-3 (torque and angle of rotation) for reducing error influencing factors
- Units of measurement: N·m, ft·lb, in·lb
- automatic extension length correction: option of entering a deviating extension length to ensure the required target value is achieved

- ready for operation again immediately after release
- for controlled anti-clockwise tightening - the insert tool must be turned in clicking mode
- torque and angle of rotation displays visible at the same time
- measurement regardless of the force application point (for sizes 1, 2, and 4)
- safe handling due to the ergonomically shaped 2-component handle (resistant to the most common oils, greases, fuels, brake fluids, and Skydrol)
- 2 certificates included (torque clicking in accordance with DIN EN ISO 6789-2:2017, angle of rotation based on VDI/VDE 2648-2)
- in sturdy plastic box (sizes 40-100 in steel box)
- registered design, patented
- supplied with SensoMaster software, USB cable, 4 micro-batteries AAA/LR03, 1.5 V
- **torque display resolution ≤ 60 N·m: 0.01 N·m; > 60 N·m: 0.1 N·m**
- **torque display accuracy ±2%, ±1 digit**
- **angle of rotation display resolution 0.1° (following upgrade)**
- **angle of rotation display accuracy ±1°, ±1 digit to 100°, >100° at least 1%, ±1 digit (following upgrade)**

Benefits.

With patented eClick technology (electromechanical click): accurate electronic torque measurement combined with the tried-and-tested mechanical click.

Intuitive and fast to use, including direct setting of the target value in a few steps.

Flexible extensions possible because the angle of rotation measuring method can be activated, if necessary.

Instant and clear evaluation of the bolted joint following the traffic light principle – thereby reducing the risk of incorrect bolted joints.

Documentation of up to 2,500 bolted joints for complete traceability within the framework of quality assurance. Data can be transferred in both wired and wireless manners.

Product highlights.

Perfect introduction.
The MANOSKOP® 730D eClick is the perfect introduction to the world of digital torque wrenches. It offers all the essential functions for process-reliable torque bolting – in a deliberately focused and uncomplicated design. Operation of the tool is virtually self-explanatory. All the necessary information for the next bolt tightening is entered directly on the tool using easily accessible buttons and the display.

e-Click technology.
The MANOSKOP® 730D eClick combines the best of both worlds: the digital accuracy of modern electronics and the familiar, mechanical feedback every time they are used. The current torque is displayed digitally and in real time throughout the entire bolting process. Once the target value is reached, the torque wrench not only provides a visual signal but also a clearly audible and detectable click.

Extra reliability.
Thanks to the OLED digital display, the user can read off the specified target torque from any angle with no parallax errors. If different insert tools are being used, the integrated extension length correction automatically calculates the correct setting value if a different extension length is entered, thus avoiding calculation errors. The torque wrench also automatically compensates for incorrect grip positions thanks to the automatic force loading point compensation.

Comprehensive documentation.
The MANOSKOP® 730D eClick is suitable for documentation purposes. The torque wrench stores the data for up to 2,500 bolting processes, including the date and time stamp. The data can be read out, stored, and processed with the SensoMaster software. This allows the quality of bolted joints to be tracked at all times and provides robust evidence in the event of complaints or possible compensation claims.

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

Future-proof solution.
If requirements change, the angle of rotation measuring method can be activated, if necessary. This expands the range of applications of the 730D eClick – without having to invest in additional tools.

Technologies and features.

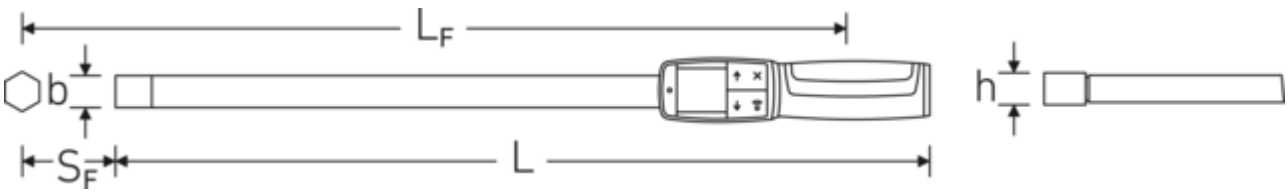
eClick.
The electromechanical eClick torque tools combine digital measuring technology with a mechanical click. This allows torques to be applied accurately, with the additional advantage of a clearly detectable, haptic stop signal. This helps users to achieve reliable, reproducible bolted joints without sacrificing the familiar handling of traditional tools.

QuickRelease
The QuickRelease safety lock prevents unintentional loss of sockets and 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.

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.

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.

Size	2
Anzeigeabweichung	± 2 %, ± 1 Digit
Tool holder size [internal square]	9 x 12 mm
Measuring range N·m	2-20 N·m
Measuring range ft-lb	1,5-15 ft·lb
Measuring range in-lb	18-180 in·lb
MA N·m	2 N·m
Nominal value N·m	20 N·m
Length mm (L)	226 mm
Width mm (b)	28 mm
Height mm (h)	23 mm
Battery type	Micro (AAA) 1,5V
DIN	DIN EN ISO 6789-2:2017
Setting display resolution N·m	0,1/0,01 N·m
Adjustment display resolution ft-lb	0,1/0,01 ft·lb
Adjustment display resolution in-lb	0,1/0,1 in·lb
LF	188 mm
SF	17,5 mm
Weight with box	805 g

Logistics data.

Product no.	96501402
GTIN	4018754365654
Weight (g)	380 g
Volume (packaged, dm3)	3.99 dm3
Packing standard	1
WEEE/ElektroG	Kleingeräte B2C
Customs tariff no.	82041100
Country of origin AWR	GERMANY
Region of origin	Nordrhein-Westfalen
Depth mm (IFS)	560
Width mm (IFS)	95
Height mm (IFS)	75
Weight (gross, kg)	1,040
Weight PAP (kg)	0,095
Weight PVC (kg)	0,000
Length (packaged, mm)	560
Width (packaged, mm)	95
Height (packaging, mm)	75

Parts list.

51110057
USB cable

59220003
Battery

81370002
Plastic box, empty

GTIN.

4 018754 365654

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