



ELECTROMECHANICAL.

The MANOSKOP® 730D has an electromechanical release and, in this way, combines precise, electronic measurement with the comforting, perceptible tactile signal when the target torque is reached.



SAFE.

The QuickRelease technology ensures tools cannot be inadvertently lost - while enabling rapid, safe tool changes.

ERGONOMICALLY REFINED.

The 2-component grip lies comfortably in the hand even after several tightening actions due to its soft zone, but it is still resistant to oils, grease, fuels, brake fluids and Skydrol.



OPTIONAL.

STAHLWILLE's optional SENSOMASTER software facilitates programming electronic torque wrenches and enables stored data to be read out.

CONNECTING YOU NOW...

The stored tightening torques can be read out via the USB interface and then evaluated and documented in conjunction with the SENSOMASTER 4 software.



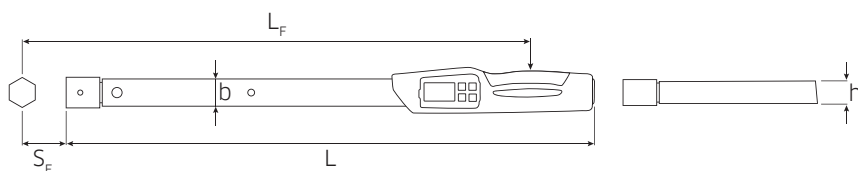
READER-FRIENDLY.

The LC display is easy to read and evaluates the fastener visually by means of coloured displays. All settings can be made quickly and easily using the keyboard, which uses only four keys.

Service work & series production MANOSKOP® 730D - indicating and click-type

- tactile and acoustic trigger signal
 - mount for interchangeable insert tools
 - QuickRelease safety lock
 - fast setting using convenient keypad
 - automatic compensation to achieve correct tightening torque even if a changed extension is entered
 - overload protection by means of acoustic and visual signals
 - automatic keypad lock prevents inadvertent changes
 - display also works for anticlockwise torque
 - units of measurement: N·m, ft·lb, in·lb
 - different tolerance limits can be set for each joint
 - visual red and green signals in the display confirm the status of the joint
 - additional security for presets (function mode, trigger or preset value, unit of measurement, tolerance, save, deviating extension) using PIN code
 - up to 7.500 measurements can be stored
- 223-229
- USB interface
 - automatic notification of the next calibration date
 - calibration using perfectControl® calibrating unit No 7794 or calibration system No 7791
 - two-component handle with ergonomically designed green softer layers (resistant to oils, grease, fuels, brake fluids and skydrol)
 - certificate in accordance with DIN EN ISO 6789-2:2017
 - in sturdy plastic box (sizes 40-100 in steel box)
 - patent
 - supplied with two 1.5 V AA batteries. AA/LR6, 1.2 V rechargeable cells may also be used
 - **display deviation value ± 2%, ± 1 digit**

730D Service/series MANOSKOP® torque wrenches with mount for insert tools



Code	size	Setting/display resolution			mm	b	h	L	L _F	S _F	Δg	Δg with box			
		N·m	ft·lb	in·lb											
9650 17 10	10	10-100 N·m	7.4-75 ft·lb	90-900 in·lb	0.2/0.1	0.2/0.1	2/1.0	9x12	28	23	467	426.5	17.5	1085	1510
9650 17 20	20	20-200 N·m	15-150 ft·lb	180-1800 in·lb	0.5/0.1	0.5/0.1	5/1.0	14x18	28	23	548	515	25	1361	1896
9650 17 40	40	40-400 N·m	30-300 ft·lb	360-3600 in·lb	1.0/0.1	1.0/0.1	10/1.0	14x18	28	23	688	655	25	3300	5155
9650 17 65	65*	65-650 N·m	48-480 ft·lb	580-5800 in·lb	1.0/0.1	1.0/0.1	10/1.0	14x18	30.6	25.6	870	837	25	3300	6000
9650 19 65	II/65	65-650 N·m	48-480 ft·lb	580-5800 in·lb	1.0/0.1	1.0/0.1	10/1.0	22x28	30.6	25.6	892	889	55	3224	7500
9650 20 80	80	80-800 N·m	60-600 ft·lb	720-7200 in·lb	1.0/1.0	1.0/1.0	10/1.0	22x28	30.6	25.6	1160	1157	55	4577	10500
9650 21 00	100	100-1000 N·m	74-750 ft·lb	900-9000 in·lb	1.0/1.0	1.0/1.0	10/1.0	22x28	30.6	25.6	1344	1341	55	4995	11000

* recommended ratchet insert tool No 735/40HD

730DR Service/series MANOSKOP® torque wrenches with reversible ratchet insert tool



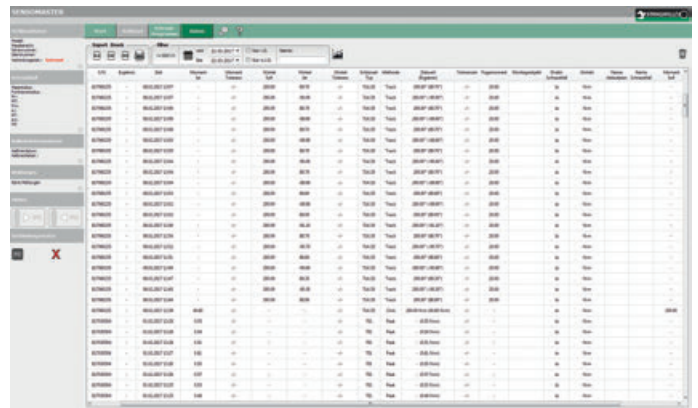
Code	size				Setting/display resolution					L	Δ	Δ g
					N·m	ft·lb	in·lb	"	mm	mm	g	with box
96501810	10	10-100 N·m	7.4-75 ft·lb	90-900 in·lb	0.2/0.1	0.2/0.1	2/1.0	1/2	9x12	501	1232	1657
96501820	20	20-200 N·m	15-150 ft·lb	180-1800 in·lb	0.5/0.1	0.5/0.1	5/1.0	1/2	14x18	595	1663	2198
96501840	40	40-400 N·m	30-300 ft·lb	360-3600 in·lb	1.0/0.1	1.0/0.1	10/1.0	3/4	14x18	738	2232	4722
96501865	65	65-650 N·m	48-480 ft·lb	580-5800 in·lb	1.0/0.1	1.0/0.1	10/1.0	3/4	14x18	975	3767	6530
96502065	II/65	65-650 N·m	48-480 ft·lb	580-5800 in·lb	1.0/0.1	1.0/0.1	10/1.0	3/4	22x28	977	3994	9000
96501880	80	80-800 N·m	60-600 ft·lb	720-7200 in·lb	1.0/0.1	1.0/0.1	10/1.0	3/4	22x28	1255	6492	12500
96501800	100	100-1000 N·m	74-750 ft·lb	900-9000 in·lb	1.0/0.1	1.0/0.1	10/1.0	3/4	22x28	1439	6910	12500

7759-5 USB hub, jack cable and SENSOMASTER 4 software

- SENSOMASTER 4 - one software package for all electronic torque wrenches from STAHLWILLE
- self-explanatory thanks to intuitive GUI with clearly organised tabbed layout
- quick and easy programming for electronic torque wrenches
- enables comprehensive evaluations, for example in connection with quality assurance
- read out stored wrench data and joint readings:
 - joint identifier
 - tool serial number
 - date and time of tightening operation
 - target torque or target angle
 - torque level at which the tool cuts out
 - tightening torque or angle reached
 - tolerances
 - joint evaluation
- storage of joint data in a database
- delete or print highlighted joints from the database
- export displayed joint data to a range of file formats (*.XLS,*.CSV,*.ODG)
- user management
- define new PIN
- delete joint data stored in wrench

System requirements:

- PC
- from Microsoft Windows XP on
- USB connection



Code	L	Δ
	m	g
96583630	1.5	65

7751 Jack cable

- with jacks at both ends, 90° angled



Code	L	Δ
	m	g
52110051	1.5	50

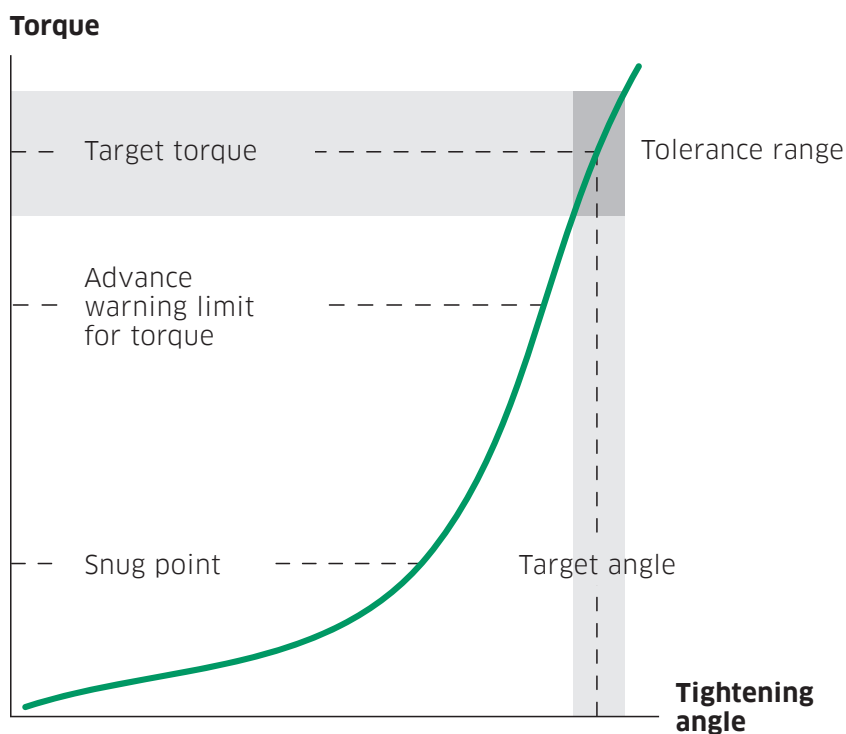
7757-1 USB adaptor



Code	Δ
	g
52111057	10

For absolute accuracy. **STAHLWILLE torque angle/torque wrenches.**

For high-accuracy applications – Category A bolted connections, for example – just checking the torque is not enough. As well as the torque, it is crucial to tighten to the correct tightening angle.



The torque reading specifies how much force was applied to tighten a fastener. For many applications, this is perfectly good enough. However, in certain cases, the additional measure of accuracy is an essential requirement. The tightening force that is generated between the workpieces in a bolted joint has to be exactly adhered to: if the force is too great, there is a risk of breakage. If it is too low, on the other hand, the connection will not be firm enough and may lead to failure in the assembly under normal operation conditions. Since the tension is dependent on the tightening torque and the angle, measuring equipment that can measure both quantities exactly is required. For applications of this kind, STAHLWILLE has precisely the solutions industry needs.