

TESTING DEVICES



Reliability that
impresses

SMARTCHECK – Testing made simple. Quick. Efficient. Reliable.

The SmartCheck torque testing device allows users to test torque wrenches, angle controlled torque wrenches and torque screwdrivers in-house and therefore they can always be on the safe side. The space-saving testing device fits into any workshop and can be mounted horizontally or vertically. Operation is intuitive and simple and does not require lengthy instruction. As no additional transducer is required, the device can be used immediately after set-up.

Flexible.

The SmartCheck can be used virtually anywhere. Whether mounted horizontally or vertically, the well-designed mounting points, compact design and rotatable display make anything possible.

Rotatable.

The SmartCheck can be perfectly adjusted to suit your individual viewing angle. This is because not only the display, but also the display holder and base body can be rotated 180 degrees.

Precise.

A display deviation of just $\pm 1\%$ guarantees highly reliable measurement data. The integrated transducer with its broad measuring range means you can get started straight away.



Stand-alone.

For use at workstations without their own power socket. In addition to conventional operation via the power supply, the SmartCheck can also be battery operated (4xAAA or 1x9V block, adapter included).

Customised.

Three operating modes (Track, First Peak, Peak Hold) and three measuring units (Nm, Ft lb, in lb) are available. Target torque and tolerances to evaluate the measured value can be specified individually.

Direct.

The worker receives direct feedback as to whether the tool is within tolerance or not. This helps to avoid incorrect tightenings.

Rugged.

The integrated optical and acoustic overload protection ensures the long service life you would expect from STAHLWILLE.



SMARTCHECK – Three specialists, one mission.

Portable, easy to handle and yet extremely reliable and precise, just what you've come to expect from STAHLWILLE: This is the SmartCheck, the testing device for torque, angle controlled torque wrenches and torque screwdrivers. Available in three variants.



SmartCheck USB

Documentation made simple.

The SmartCheck USB has a USB interface that enables you to read out test values that are stored on the device. This means they can also be transferred to external systems.

- Stores up to 200 data records. Includes date and time stamp.
- Data export and optional power supply via a micro-USB interface.
- Documentation software available via free download.



SmartCheck DAPTIQ®

Simply networked.

The SmartCheck device for the Industry 4.0 era: featuring a bidirectional open source interface for optimum integration into the controlling system.

- Parametrisation and integration via open source interface.
- Target value, tolerance and mode can be set by the system.
- Internal storage of up to 200 data records.
- Real time data exchange between device and system.

SmartCheck Angle

Simply exceptional.

Finally – a device that allows you to test and document angle controlled torque wrenches as easily as torque wrenches! The SmartCheck Angle makes it possible.

- Extendable force loading point for angle controlled torque wrenches up to 400 Nm.
- 1/2" mount, can be reduced to 3/8" with adapter.
- Broad measuring range from 0–720°.
- Simple operation.
- Integrated evaluation function.
- Can store up to 200 data records with date and time stamp.
- With micro-USB connection for data export.
- Documentation software available via free download.



SmartCheck USB

Code	Nr.	N·m	ft·lb	in·lb	Ø"	b mm	h mm	t mm	Δ g
96 52 12 06	SmartCheck 10S* USB	1–10	0.74–7.4	8.9–88.5	1/4	120	124	167	5210
96 52 12 07	SmartCheck 10 USB	1–10	0.74–7.4	8.9–88.5	1/4	120	124	167	5210
96 52 12 08	SmartCheck 100 USB	10–100	7–74	89–885	3/8	120	124	167	5310
96 52 12 09	SmartCheck 400 USB	40–400	30–295	354–3540	3/4	120	124	167	5690
96 52 12 10	SmartCheck 800 USB	80–800	59–590	708–7081	3/4	120	124	167	5690
96 52 12 11	SmartCheck 1500 USB	150–1500	111–1106	1328–13276	1	120	164	167	5912

* for checking torque screwdrivers



SmartCheck Angle

Code	Nr.	Grad	Ø"	b mm	h mm	t mm	Δ g
96 52 14 00	SmartCheck Angle	0–720°	1/2	452	326	263	7800



SmartCheck DAPTIQ®

Code	Nr.	N·m	ft·lb	in·lb	Ø"	b mm	h mm	t mm	Δ g
96 52 13 00	SmartCheck 10S* DAPTIQ®	1–10	0.74–7.4	8.9–88.5	1/4	120	124	167	5210
96 52 13 01	SmartCheck 10 DAPTIQ®	1–10	0.74–7.4	8.9–88.5	1/4	120	124	167	5210
96 52 13 02	SmartCheck 100 DAPTIQ®	10–100	7–74	89–885	3/8	120	124	167	5310
96 52 13 03	SmartCheck 400 DAPTIQ®	40–400	30–295	354–3540	3/4	120	124	167	5690
96 52 13 04	SmartCheck 800 DAPTIQ®	80–800	59–590	708–7081	3/4	120	124	167	5690
96 52 13 05	SmartCheck 1500 DAPTIQ®	150–1500	111–1106	1328–13276	1	120	164	167	5912

* for checking torque screwdrivers



TESTING DEVICE 7707 W – Maximum flexibility. For the best results.

The SENSOTORK® 7707 W electronic testing device is not only compact – it is also extremely flexible thanks to its easily interchangeable transducers. The flat transducer in the SENSOTORK® 7707 W is also responsible for digitising the measured values. This ensures the measurements are particularly precise. The reading is shown on a display that is connected to the tester with a spiral cable.

Compact.

Thanks to its compact dimensions and flexible mounting options, the SENSOTORK® testing device fits into almost any workplace.

Practise orientated.

The SENSOTORK® 7707 W can display the release torque (first-peak) and the actual final torque applied (peak) simultaneously.

Versatile.

Clockwise and counter-clockwise measurements with a particularly large measuring range from 2 to 100 per cent of the nominal value possible. Interchangeable square-drive adapters integrated into the mounting block.

PC compatible.

When used in combination with the STAHLWILLE software, measured values can be transferred to the PC and documented.

Exact.

A patented, flat transducer guarantees minimum lateral forces and therefore optimum measurement results in the units Nm, ft-lb, in-lb.

Stand-alone.

Suitable for use in temperature ranges from -20 °C to +60 °C.



Category	Measuring range Nm								Angle of rotation	Documentation	Networkable	Direct evaluation	Fixed measuring range
Testing devices	0	50	150	300	500	650	800	1000	1500				
SmartCheck USB	<div></div>									<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
SmartCheck Angle	0° – 720°								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SmartCheck DAPTIQ®	<div></div>									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7707 W testing device	<div></div>									<input type="checkbox"/>			



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