

# **System 8<sup>®</sup>**

## **Digital Torque Tester**

**Our most accurate digital torque tester with Fail Safe Engineering!**



# The ultimate in torque tool calibration.

The SYSTEM 8 Digital Torque Tester is much more than a torque calibration unit that is accurate to +/- .25% of Indicated Value from 10% to 100% of capacity. It is a well-designed system engineered to turn uncertainties into certainties with:

- A wide working range from 2.5 inch oz to 2000 ft. lbs.
- Floating decimal point, 6 digit display is easy to read
- Highly visible display with 6 digit floating decimal point provides superior resolution.
- Fail Safe Engineering over capacity and alert tracking.
- Greater accuracy and durability with simplicity and ease of operation
- Selectable operation modes for testing all but impact tools.

Like all Sturtevant Richmond products, the System 8 meets or exceeds the following standards:

- ASME B107.300 - 2010 Electronic Tester, Hand Torque Tools
- ISO 5393 Rotary tools for threaded fasteners- products test methods.
- ASME B107.4M Driving and Spindle Ends for Portable Hand, Impact, Air, and Electric Tools (Percussion Tools Excluded).
- ISO 1773 Assembly Tools for Bolts and Screws – Driving Squares for Power Socket Wrenches and Hand Socket Wrenches.
- ISO 1774-2 Assembly Tools for Bolts and Screws – Driving Squares for power socket tools

System 8 display has a floating point decimal resolution showing six digits throughout. Combine that with an accuracy of 0.25% (indicated value) from 10% to 100% and System 8 capabilities give you control of your torque testing program.

The new System 8® line of Digital Torque Testers is ideal for interim or daily torque testing programs for clicker torque wrenches, camover torque tools, torque screwdrivers, and non-impact power tools.

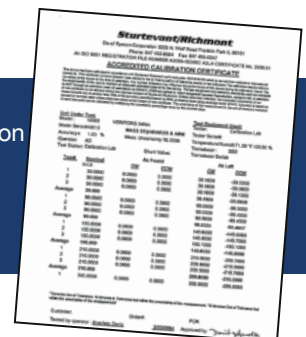
## Features and Characteristics

- Tests in both clockwise and counterclockwise directions.
- Four modes of operation - Track, Peak, Initial Peak and Power Tool - provide excellent versatility.
- Units of measure include English, Standard International and Metric.
- 999 records that can be downloaded
- Works with Torque Tool Manager 4 for calibration/ documentation.
- Red/Green LED indicates whether a measurement is within the target torque value.
- Includes FREE certificate of calibration from our ISO/IEC 17025 Accredited Laboratory!
- Includes 120-240 VAC to 6 VDC screw on power supply for security during power tool testing.
- Runs on four AA NiMH rechargeable batteries. Batteries sold separately. Quick charge unit is available.
- Includes a rugged protective case for storage and transit.
- Power Tool mode has ten filters and will accurately test all clutch type and pulse tools.

## Ordering Information

Part No.	Model	Description
10600	System 8	System 8 Digital Torque Tester
10601	Transducer Switch Module	Transducer Switch Module

Includes FREE certification from our ISO/IEC 17025 Accredited calibration laboratory.



# Static Transducers

## TT, TT-QC, TT-L Series

Sturtevant Richmond is proud of our flexible transducers for the System 8 and our legacy System 4/5/6—with the legendary Sturtevant Richmond quality built in!

Sturtevant Richmond transducers now come in four designs; two flanged designs for those with existing systems that are expanding their line or using an SR Mechanical Loader, a Quick Connect design for use with our 1000 and 2000 pound capacity Mechanical Loaders, and a new “L” design that incorporates its’ own mounting bracket for rapid horizontal or vertical mounting.

To obtain additional information on these transducers and their use with current and legacy systems, visit. [www.srtorque.com](http://www.srtorque.com)



### TT-Series Transducers

- Traditional SR hex flange style
- Can be mounted to ML 250 and ML 600 Mechanical Loaders.
- Can be Mounted to Quad Plate for multiple mounting on ML 250.
- Requires detachable cable Part No. 10293. (Except TT 2510, 1000 and 2000 Series)
- Smaller sizes (up to 400 in. oz. capacity) can be mounted to SSMB, STMB, or UMB brackets.
- Larger sizes (500 ft. lbs. and above) can be mounted on UMB L-bracket.



TT Series			Torque Range			
Part No.	Model	Drive	in.ozs.	in.lbs.	cNm	kgf•Cm
10009*	TT 2510	.25" Hex Male	2.5–25	0.16–1.6	1.77–17.7	0.18–1.8
10285	TT 101	.25" Hex Male	16–160	1–10	11.3–113	1.15–11.5
Part No.	Model	Drive	in.lbs.	ft. lbs	Nm	kgf. Cm
10286	TT 501	.25" Hex Male	5–50	.4–4	.56–5.6	5.6–57
10287	TT 1001	.375" Hex Male	10–100	.83–8.3	1.13–11.3	11.5–115
10288	TT 3001	.375" Hex Male	30–300	2.5–25	3.4–34	34.5–345
10289	TT80	.5" Square Female	96–960	8–80	10.8–108.5	110.6–1106
10290	TT150	.5" Square Female	180–1800	15–150	20.3–203.4	207.4– 2073.8
10291	TT250	.75" Square Female	300–3000	25–250	34–340	345.6–3456.4
Part No.	Model	Drive	ft. lbs.	Nm	Kgf. M	
10292	TT 600	.75" Square Female	60–600	81.3–813.5	8.3–83	
10026*	TT 1000	1" Square Female	100–1000	135.6–1355.8	14–138.2	
10027*	TT 2000	1" Square Female	200–2000	271.2–2712	28–276.5	

\*Cable included. All other transducers require additional cable (P/N 10293).

## TT-QC Series Transducers

- Quick Connect System
- Can be mounted to ML 1000 and ML 2000 Mechanical Loaders.
- Removal of adapter plate permits use with ML 250 (250 ft. lbs. capacity and below).
- Requires detachable cable Part No. 10293. (Except TT-QC 25IO, 1000 and 2000 Series)
- TT-QC 1000 and 2000 Series can also be used with ML 1000 and ML 2000 and feature permanently attached cables



TT-QC Series			Torque Range			
Part No.	Model	Drive	in.ozs.	in.lbs.	cNm	kgf•Cm
10211*	TT-QC 25IO	.25" Hex Male	2.5–25	0.16–1.6	1.77–17.7	0.18–1.8
10300	TT-QC 10I	.25" Hex Male	16–160	1–10	11.3–113	1.15–11.5
Part No.	Model	Drive	in.lbs.	ft. lbs	Nm	kgf. Cm
10301	TT-QC 50I	.25" Hex Male	5–50	.4–4	.56–5.6	5.6–57
10302	TT-QC 100I	.375" Hex Male	10–100	.83–8.3	1.13–11.3	11.5–115
10303	TT-QC 300I	.375" Hex Male	30–300	2.5–25	3.4–34	34.5–345
10304	TT-QC 80	.5" Square Female	96–960	8–80	10.8–108.5	110.6–1106
10305	TT-QC 150	.5" Square Female	180–1800	15–150	20.3–203.4	207.4– 2073.8
10306	TT-QC 250	.75" Square Female	300–3000	25–250	34–340	345.6–3456.4
Part No.	Model	Drive	ft. lbs.	Nm	Kgf. M	
10307	TT-QC 600	.75" Square Female	60–600	81.3–813.5	8.3–83	
10209*	TT-QC 1000	1" Square Female	100–1000	135.6–1355.8	14–138.2	
10210*	TT-QC 2000	1" Square Female	200–2000	271.2–2712	28–276.5	

\*Cable included. All other transducers require additional cable (P/N 10293).

## TT-L Series Transducers

- Built-in L-bracket for mounting vertically or horizontally.
- Requires detachable cable Part No. 10293.
- Mounting holes drilled for 5/16" bolts, 3.25" on center.



TT-L Series			Torque Range			
Part No.	Model	Drive	in.ozs.	in.lbs.	cNm	kgf•Cm
10257	TT-L 10I	.25" Hex Male	16–160	1–10	11.3–113	1.15–11.5
Part No.	Model	Drive	in.lbs.	ft. lbs	Nm	kgf. Cm
10258	TT-L 50I	.25" Hex Male	5–50	.4–4	.56–5.6	5.6–57
10259	TT-L 100I	.375" Hex Male	10–100	.83–8.3	1.13–11.3	11.5–115
10260	TT-L 300I	.375" Hex Male	30–300	2.5–25	3.4–34	34.5–345
10261	TT-L 80	.5" Square Female	96–960	8–80	10.8–108.5	110.6–1106
10262	TT-L 150	.5" Square Female	180–1800	15–150	20.3–203.4	207.4– 2073.8
10263	TT-L 250	.75" Square Female	300–3000	25–250	34–340	345.6–3456.4
Part No.	Model	Drive	ft. lbs.	Nm	Kgf. M	
10264	TT-L 600	.75" Square Female	60–600	81.3–813.5	8.3–83	

\*Cable included. All other transducers require additional cable (P/N 10293).

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