



Torq-Tronics 2[®]

Digital Torque Tester

Sturtevant Richmond announces the next level of torque testers designed to help you improve quality by eliminating variables in your torque tools. The new Torq-Tronics 2[®] is engineered for greater accuracy and durability and meets or exceeds the following standards:

- ASME B107.300 - 2010 Electronic Tester, Hand Torque Tools
- ISO 5393 Rotary tools for threaded fasteners- Performance 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

Applications

The new Torq-Tronics 2[®] line of Digital Torque Testers is ideal when:

- Clicker or camover type torque wrenches, or torque screwdrivers, need to be calibrated.
- An inexpensive and versatile tester for intermediate checks of torque tools is needed.
- Non-impacting power tools need to be tested.
- Simplicity and speed of operation are needed.

This is an excellent tester for intermediate checks (simple checks between calibrations) of all types of tools. It has the accuracy for calibration of clicker- and camover-type torque wrenches and clutch-type torque screwdrivers. A special power tool mode is standard.

Torq-Tronics 2 handles everything you need to create and effectively run a torque verification program.

Torq-Tronics 2 is versatile, reliable, highly accurate, durable, and easy to use. You quickly gain control of your torque verification and error proof your error proofing program. You close the error loop.

Torq-Tronics 2 can test and calibrate tools down to within +/- 2% accuracy because it is accurate to +/- .5% of indicated value.



**Sturtevant
Richmont[®]**
Torque Measurement Systems

Sturtevant Richmond

Direct: 1 847/455-8677

Toll-Free: 800/877-1347

www.srtorque.com



Lighting the Way

Torque Verification Accuracy And Safety At A Glance With *Torq-Tronics 2*[®]

You can't tell if a wrench is out of calibration just by looking at it. But what about the verification and calibration tool you are using to test those torque wrenches? What if that was out of calibration? Like a torque wrench, a verification/calibration unit can be taken out of spec in a few seconds by abuse, mis-use, or being placed in an over capacity/overload situation.

When a *Torq-Tronics 2*[®] test/calibration unit is placed in an over-torque position of more than 120% of capacity, the overtorque warning LED remains lit. That LED tells everyone this unit should be verified and or recalibrated before it is used again.

We use a torque wrench to eliminate variables and improve quality. We test and calibrate those torque wrenches to ensure we are repeating the proper torque applications.

Over torquing a wrench can damage that wrench and take it out of calibration. Overtorquing a torque tester or torque calibration unit can damage the tester and take it out of calibration. It can also damage the circuitry in the unit as well possibly damage the transducer. When torque testing with an out of calibration tester there is no up side.

Torq-Tronics 2[®] gives you everything you need to gain control and effectively run a torque verification program.

Torq-Tronics 2[®] tells you and your workers when it has been stretched to 120% or more of rated capacity. How much time and money can be saved if you know your torque tester may need to be tested?

Torq-Tronics 2[®] provides complete traceability with record keeping. Even if the memory is off, TT2 records overload information and marks all the records following the overload with an OVL. You know exactly what happened and when.

Torq-Tronics 2[®] helps guide your employees to do the right thing. If someone tries to erase the memory containing and overload indicator, the display says "See Supervisor" We have your back even if you are not looking.



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Torq-Tronics 2[®] Features and Characteristics

- Accuracy of +/- .5% of Indicated Value from 10% to 100% of rated capacity. Meets or exceeds requirements of ASME B107.300-2010.
- 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.
- Units of 300 inch-pound (34 Nm) capacity and below are optimized for bench mounting; larger units may be mounted vertically or horizontally providing better safety and efficiency.
- With only 8 buttons Torq-Tronics2[®] is amazingly simple to operate!
- Memory stores up to 999 records that can be downloaded to hyperterminal/terminal program to create testing reports and data storage.
- Four line vacuum florescent display (VFD) is easy to read.
- Red/Green LED indicates whether a measurement is within the target torque value.
- Overload (120% of capacity) warning is built in and all torque readings are recorded.
- Overload (120% of capacity) If unit has been overloaded and turned off, the VFD brings up the incident that caused Tr2 to be in an overload situation.
- Overload (120% of capacity) warning displayed on the VFD. All records post overload are noted with OVL in documentation until the unit is reset.
- Overload (120% of capacity) record data stored in two separate places and cannot be erased.
- Overload (120% of capacity) record data stored even if unit memory is turned off.
- Includes FREE certificate of calibration from our ISO/IEC 17025 Accredited Calibration Laboratory!
- Includes 120-240 VAC to 6 VDC screw on power supply for security during power tool testing.
- Runs on four AA NiMH or AA NiCD rechargeable batteries. Quick charge unit is available.
- Includes a free blow molded plastic box for storage and transit.
- Power Tool mode has ten filters and will accurately test all clutch type and pulse tools.



Your error proofing program is not complete even if you test your torque wrenches every shift. If you aren't testing your tester, you could be perpetually making errors instead of preventing them. Nothing is worse than a tester out of calibration.

Torq-Tronics 2 tells you when it was last calibrated and when it is due next. More importantly it immediately tells everyone if it has been stretched to 120% or more of capacity. OV 120% capacity continually on VFD top line. Documents everything.

What is there to think about? Know of another tester that does this?

Part No.	Model	Description	Drive
10691	Torq-Tronics 2 10l	Digital Torque Tester 1 Nm / 10 in.lb	¼" M Hex
10692	Torq-Tronics 2 50l	Digital Torque Tester 6 Nm / 50 in.lb	¼" M Hex
10693	Torq-Tronics 2 100l	Digital Torque Tester 12 Nm / 100 in.lb	3/8" M H
10694	Torq-Tronics 2 300l	Digital Torque Tester 34 Nm / 300 in.lb	3/8" M H
10695	Torq-Tronics 2 80	Digital Torque Tester 109Nm / 80 ft.lb	½" F Sq.
10696	Torq-Tronics 2 150	Digital Torque Tester 201 Nm / 150 ft.lb	½" F Sq.
10697	Torq-Tronics 2 250	Digital Torque Tester 339 Nm / 250 ft.lb	¾" F Sq.
10698	Torq-Tronics 2 600	Digital Torque Tester 814 Nm / 600 ft.lb	¾" F Sq.



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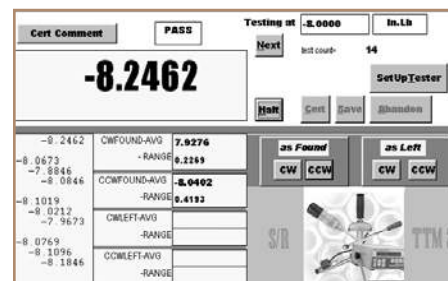
Torque Tool Manager Software

Torque Tool Manager (TTM) is calibration and certification software specifically engineered to work with your System 4/5, System 6, PTM-D, or Torq-Tronics Digital Torque Testers!

TTM software will fulfill your ISO and QS 9000 calibration and certification requirements far more cost-effectively than manual record keeping systems!

- Choose from standard calibration routines or customize your own to assure proper test procedures and accuracy - every time! TTM is flexible; it accommodates the full range of manual and power torque tools.
- TTM error-proofs calibration procedures and virtually eliminates retesting due to operator error! TTM downloads the proper test protocol to your S/R tester and sets the tester up for the tool. It will only accept results that are in line with the test protocol, so errors resulting from failure to follow the programmed procedure are automatically rejected.
- TTM keeps records for each tool, including calibration date, serial number, tester and transducer serial numbers, operator, "As Found" and "As Left" test results, NIST traceability numbers, and all other data required for ISO and QS compliance!

For more information on TTM, contact Customer Service via phone, fax, or e-mail!



Part No. 10309, TTM Software

Rundown Fixtures

Rundown fixtures are designed to assist in testing the output of pulse, stall and clutch power tools. This is accomplished by allowing the tool to achieve rotational speed prior to torque measurement. The rundown fixtures all come with the components to emulate either a hard or medium joint, thus assuring greater test accuracy.

Rundown fixtures may be used with either the System 4/5 or the Torq-Tronics series testers.

Part No.	Model	Description
10349	RDF 1 Nm	Rundown Fixture, 1 Nm/10 in.lb. capacity, .25" F Hex
10350	RDF 3 Nm	Rundown Fixture, 3 Nm/25 in.lb. capacity, .25" F Hex
10351	RDF 6 Nm	Rundown Fixture, 6 Nm/50 in.lb. capacity, .25" F Hex
10352	RDF 17 Nm	Rundown Fixture, 17 Nm/150 in.lb. capacity, .375" F Hex
10353	RDF 34 Nm	Rundown Fixture, 34 Nm/300 in.lb. capacity, .375" F Hex
10354	RDF 34 Nm	Rundown Fixture, 34 Nm/300 in.lb. capacity, .5" M Square
10355	RDF 68 Nm	Rundown Fixture, 68 Nm/600 in.lb. capacity, .5" M Square
10356	RDF 109 Nm	Rundown Fixture, 109 Nm/960 in.lb. capacity, .5" M Square
10357	RDF 204 Nm	Rundown Fixture, 204 Nm/1800 in.lb. capacity, .5" M Square
10358	RDF 339 Nm	Rundown Fixture, 339 Nm/3000 in.lb. capacity, .75" M Square
10295	RDF 250	Rundown Fixture, 250 ft.lb. capacity, .75" M Square
10225	JS 250	Rundown Fixture, 250 ft.lb. capacity, .75" M Square
10135	JSK 50I*	Rundown Fixture Kit, 50 in.lb. capacity, .25" F Hex
10136	JSK 300I*	Rundown Fixture Kit, 300 in.lb. capacity, .375" F Hex

* Kits are for use with System 4/5 only.



Make your power tool testing easier and more repeatable – use a Rundown Fixture!

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