

Digital Torque and Angle Wrench – DTC

RoHS compliant



SR's Latest Innovation

The 1250 Exacta Series transducer and all the functionality (except the radio capability) has been placed in the micrometer adjustable body. The result is a tool like no other. Agile. Slim. Lightweight.

In line with SR's systems approach to error proofing, you cannot set the wrench to a torque value beyond the wrench capacity. This is just one of the many features that are built into the DTC.

The DTC has a b/w display and colored light bands on the side of the wrench. Those bands change yellow to green when the target values are achieved. An auditory beep and the handle vibrates provide two additional modes of operator focused error proofing guidance.

The DTC results log is large enough for even the busiest assemblies. Using the mini-USB port, and DTC Connect Freeware, the results log can be uploaded to a computer in a CSV format. DTC Connect can be used to set parameters in the wrench. You can change units of measure, modes of operation, degrees of fastener rotation, establish a target torque, minimum torque, maximum torque and more.

Five Modes of Operation

- **TAM:** Torque and Angle Monitoring identifies changing joint conditions and quickly identifies attempts to tightened previously tightened fasteners, or a "double hit."
- **T2A:** Torque to Angle (for highly engineered assemblies).
- **Track:** Displays torque values as torque is being applied. (No angle measurement).
- **Peak:** Provides the reading of the highest torque value created during torque application. (No angle measurement).
- **Residual:** Measures existing torque on previously tightened fasteners.

- Bi-directional accuracy $\pm 2\%$ indicated value from 20% to 100% of tool capacity.
- Meets/exceeds ASME B107.300-2010 and ISO 6789 requirements.
- All torque and angle settings can be set using buttons on wrench or DTC Connect freeware (coming August 2018).
- Built around SR's traditional pin/spring Dovetail you have access to over 200 one-piece interchangeable heads.
- Reversible square drive ratchet head included with wrench.
- Head length is adjustable via keypad. Uses 1 7/16" (36.5 mm) or 3 7/8" (98.4 mm) and maintains common center line.*
- Visible from any angle, light bands on both sides of the wrench turn yellow, then green, the wrench beeps, and the handle vibrates when target torque is achieved.
- Three AAA batteries included with wrench. Works with rechargeable NiMH, Lithium Ion, or alkaline batteries.
- Target, minimum, and maximum torque entered via wrench keypad or DTC Connect freeware.
- Lockable settings (and presets), via 4-digit password.
- Torque units: in lb, ft lb, Nm, cNm, cmkg, mkg.
- 99 presets, numbered 01-99, optionally named via serial command with up to 16-character names.
- Results log large enough for even the busiest assemblies. Export results in .csv format via mini-USB port.
- New, smaller profile fits in more places with light-weight, rugged design.
- Comes with free Certificate of Compliance from SR's ISO/IEC 17025 Accredited Laboratory.

DTC

Model	Part No.	Torque Range (ISO)			Lever Length mm	Overall Length mm	Weight kg	Included Head
		lbf-ft	N-m	lbf-in				
DTC 4	R10680	0.8 - 4	1.1 - 5.5	10 - 50	352	402	0.47	SDRT 1/4
DTC 25	R10681	5 - 25	7 - 34	60 - 300	378	432	0.52	SDRT 3/8
DTC 75	R10682	15 - 75	20 - 100	180 - 900	419	473	0.59	SDRT 3/8
DTC 150	R10683	30 - 150	40 - 200	360 - 1800	502	562	0.68	SDRT 1/2
DTC 250	R10684	50 - 250	68 - 340	600 - 3000	703	762	0.99	SDRT 1/2

NiMH batteries rated 1400 mAh to 2400 mAh are acceptable. Higher mAh ratings mean more cycles between recharge and longer recharge times. Unlike the Exacta series digital torque wrenches, the DTC can use alkaline, Ni-MH, or Lithium Ion batteries. Never mix types of batteries (e.g. never combine alkaline and Ni-MH batteries, or Ni-MH and Lithium Ion batteries) and never mix new and old batteries in the DTC. The DTC uses three AAA batteries in a cartridge.



More information available 24 hrs a day on our website.

* DTC wrenches are calibrated for use with heads having 1 7/16" (36.5 mm) common centerline. On request wrenches can be calibrated for 3 7/8" (98.4 mm) centerline. The DTC can change the common centerline head in the software setting and not have to recalibrate the tool.

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