

Digital Torque & Angle Wrench – DTC



Agile. Slim. Lightweight.

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.

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.

Free Software DTC Connect

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.

- ▶ Bi-directional accuracy $\pm 2\%$ indicated value from 20% to 100% of tool capacity.
- ▶ Meets or exceeds **ASME B107.300-2010** and **EN ISO 6789** requirements.
- ▶ All torque and angle settings can be set using buttons on wrench or DTC Connect freeware (as of 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 either rechargeable NiMH, or 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

Accuracy $\pm 2\%$

Model	Item No.	Torque Range						Length mm	Weight kg	Head Attachment
		N-m	cN-m	lbf-ft	lbf-in	kgf-m	kgf-cm			
DTC-4	R 10680	1.2 - 5.6	108 - 542	0.8 - 4	10 - 50	–	11 - 55	352	0.45	Dovetail w Spring/Pin
DTC-5	R 10685	1.4 - 6.8	136 - 678	1 - 5	12 - 60	–	14 - 69	352	0.45	Dovetail w Spring/Pin
DTC-25	R 10681	6.8 - 34	678 - 3389	5 - 25	60 - 300	–	69 - 345	378	0.54	Dovetail w Spring/Pin
DTC-75	R 10682	20 - 101	–	15 - 75	180 - 900	2.1 - 10	–	419	0.59	Dovetail w Spring/Pin
DTC-80	R 10686	22 - 108	–	16 - 80	192 - 960	2.2 - 11	–	419	0.59	Dovetail w Spring/Pin
DTC-150	R 10683	41 - 203	–	30 - 150	360 - 1800	4.1 - 20	–	502	0.68	Dovetail w Spring/Pin
DTC-250	R 10684	68 - 339	–	50 - 250	600 - 3000	6.9 - 34	–	703	1.00	Dovetail w Spring/Pin



Further info on our website. 24/7

* 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.

ZEMO
www.zemo-tools.de