

Two Controllers in One!

TCV e²

Programmable Torque Verifier Ethernet 2

In 1999 we helped build the wireless error proofing industry on the back of the I/O driven TCV Controller. It was one box and one tool. Driven by a PLC, the TCV was great for controlling a process and verifying that the work was done.

The TCV was fast and it was simple. It worked with a click wrench and there was no reporting. For many applications that was the perfect approach.

Fast-forward twenty years and we are expanding the TCV by introducing the TCV e2. (TCV Ethernet 2) The Ethernet connection gives you an MES connection capability. The level of sophistication is exponentially expanded.

The TCV e2 doesn't sacrifice a bit of the speed by working with our new TAC, the Digital Torque and Angle click wrench. It also works with our SLTC FM 2.4 GHz click wrench. All the production speed is retained. And two operators can work simultaneously.

Using the new digital torque and angle wrench, the TCV e2 captures the date and time stamped, exact torque and angle values for each fastening. You get all the data you want without sacrificing one millisecond of takt time. Reporting tells you where the wrench clicked and where the operator stopped pulling. This is actionable data that you can use for training.

If you have an indexing line, and torque control matters, you need the TCV e2 and the radio equipped tools

Key TCV e2 Features:

- Two independent channels so two operators work independently.
- Functions with the new TAC digital torque and angle click wrench as well as the legendary SLTC FM 2.4 GHz click wrench.
- I/O, network, or bar code driven
- Functions with 2 bar code readers
- Comes with a full version of ACOP, PCFS
- Ethernet IP capable
- Learn in up to 10 tools
- Comes with 2 separate 24 VDC I/O ports. Why pay extra for this?
- Complete interface with SR Global Manager software for setting parameters, etc.
- Reports into Global Host or ToolsNet.

To learn more about how the TCV e2 can error proof your assembly processes, go to srtorque.com or contact your local Sturtevant Richmond sales professional.



**Order the TCV-e2 FM 2.4 GHz
using part number 10676.**



Wireless



Wired



WARNING



- Do not exceed rated torque
- Do not use to break fasteners loose
- Periodic recalibration is necessary to maintain accuracy
- See safety precautions at srtorque.com



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TAC

(Torque/Angle Control)

TAC FM 2.4 GHz Preset Wireless Click Wrench

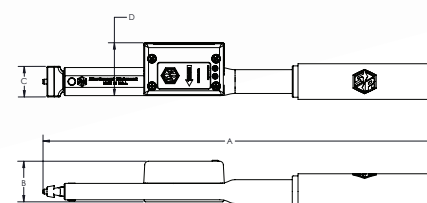
This is our all-new, wireless, preset, torque and angle digital click wrench.

+/- 4% of indicated value

This wrench is two wrenches in one. It provides the speed, accessibility, and ease of

use of a click wrench while providing the accuracy and torque values of a digital wrench.

Torque and angle monitoring mode provides "double-hit" protection by quickly identifying that the fastener has already been tightened.



Part No.	Model	Torque Capacity*	Head	A (in.)	B (in.)	C (in.)	D (in.)	Weight (lbs.)
810712	TAC-150I	150 in lb / 17 Nm	Dovetail	7 ⁹ / ₃₂	1 ²¹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810713	TAC-300I	300 in lb / 34 Nm	Dovetail	9 ¹ / ₃₂	1 ²¹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810714	TAC-750I	750 in lb / 85 Nm	Dovetail	12 ⁵⁹ / ₆₄	1 ²¹ / ₆₄	1	1 ⁴⁷ / ₆₄	0.5
810715	TAC-1800I	1800 in lb / 204 Nm	Dovetail	16 ³ / ₁₆	1 ²¹ / ₆₄	1 ¹ / ₄	1 ⁴⁷ / ₆₄	1.3
810721	TAC-1800I ERGO	1800 in lb / 204 Nm	Dovetail	20 ⁹ / ₁₆	1 ²¹ / ₆₄	1 ¹ / ₄	1 ⁴⁷ / ₆₄	1.3
10711	TAC Connect Software (for 1350 Series Exacta and TAC Torque and Angle Wrench tool calibration)							
10710	SR Connect (radio interface for tool calibration)							
10740	4-Slot Battery Charger							
10741	8-Slot Battery Charger							
21970	AAA NIMH Battery							

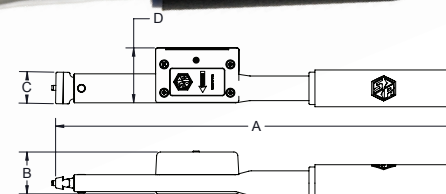
SLTC-FM

SLTC FM 2.4 GHz Preset Wireless Click Wrench

This is our legendary wireless preset click wrench.

+/- 4% of indicated value

This tool is the backbone of wireless error proofing assemblies.



Part No.	Model	Torque Capacity*	Head	A (in.)	B (in.)	C (in.)	D (in.)	Weight (lbs.)
810411	SLTC FM2.4 50 I	50 in lb / 6 Nm	Dovetail	6 ¹⁵ / ₁₆	1 ³⁹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810412	SLTC FM2.4 150 I	150 in lb / 17 Nm	Dovetail	6 ¹⁵ / ₁₆	1 ²¹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810413	SLTC FM2.4 300 I	300 in lb / 34 Nm	Dovetail	8 ⁵⁹ / ₆₄	1 ²¹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810410	SLTC FM2.4 300 I OHT	300 in lb / 34 Nm	Dovetail	7 ¹ / ₈	1 ²¹ / ₆₄	¹⁵ / ₁₆	1 ⁴⁷ / ₆₄	0.5
810414	SLTC FM2.4 750 I	750 in lb / 85 Nm	Dovetail	12 ³ / ₄	1 ²¹ / ₆₄	1	1 ⁴⁷ / ₆₄	0.5
810415	SLTC FM2.4 1800 I	1800 in lb / 204 Nm	Dovetail	16 ³ / ₁₆	1 ²¹ / ₆₄	1 ¹ / ₄	1 ⁴⁷ / ₆₄	1.3
810421	SLTC FM2.4 1800 I ERGO	1800 in lb / 204 Nm	Dovetail	20 ⁹ / ₁₆	1 ²¹ / ₆₄	1 ¹ / ₄	1 ⁴⁷ / ₆₄	1.3
810420	SLTC FM2.4 3000 I	3000 in lb / 339 Nm	Dovetail	20 ⁵¹ / ₆₄	1 ⁵¹ / ₆₄	1 ¹ / ₂	1 ⁴⁹ / ₆₄	4.9
810417	SLTC FM2.4 3600 I	3600 in lb / 408 Nm	Dovetail	24 ¹¹ / ₃₂	2 ³ / ₄	2 ⁹ / ₃₂	2 ⁹ / ₃₂	5.5
810418	SLTC FM2.4 4800 I	4800 in lb / 542 Nm	Dovetail	34 ¹¹ / ₃₂	2 ⁹ / ₃₂	2	2 ¹¹ / ₁₆	8.3
810423	SLTCR FM2.4 750 I	750 in lb / 84.73 Nm	3/8" SD Ratchet	14 ²³ / ₆₄	1 ²¹ / ₆₄	1 ³ / ₈	1 ⁴⁷ / ₆₄	1.3
810424	SLTCR FM2.4 1800 I	1800 in lb / 203.73 Nm	1/2" SD Ratchet	18 ²¹ / ₆₄	1 ²¹ / ₆₄	1 ⁵¹ / ₆₄	1 ⁴⁷ / ₆₄	1.8
810425	SLTCR FM2.4 1800 I ERGO	1800 in lb / 203.73 Nm	1/2" SD Ratchet	22 ⁴⁵ / ₆₄	1 ²¹ / ₆₄	1 ⁵¹ / ₆₄	1 ⁴⁷ / ₆₄	1.8
810419	SLTCR FM2.4 7200 I	7200 in lb / 813 Nm	3/4" SD Ratchet	37 ³ / ₈	2 ¹¹ / ₁₆	2 ¹¹ / ₁₆	2 ⁹ / ₃₂	10.0