

**TOOLS AND SOLUTIONS  
FOR CRITICAL INDUSTRIES**



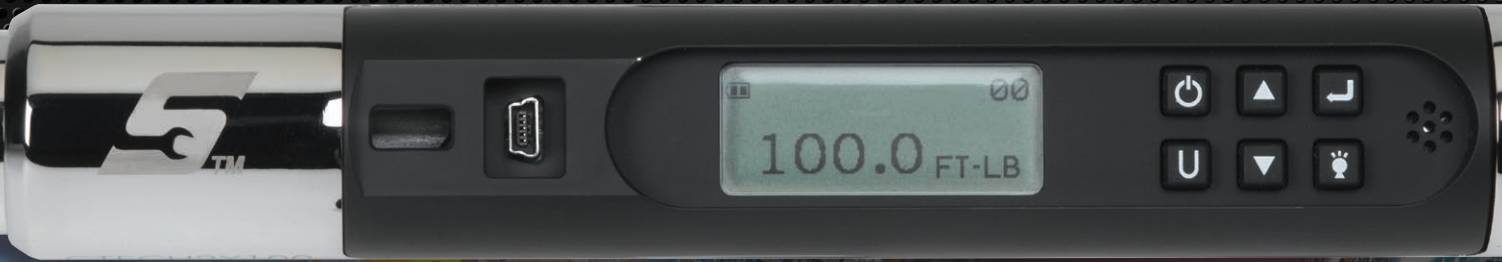
**MORE  
SIZES  
AVAILABLE!**

# CONTROLTECH™ INDUSTRIAL TORQUE WRENCH

**TORQUE IN LESS TIME, WITH  
MORE ACCURACY AND CONTROL**

Snap-on ControlTech™ Industrial Electronic Torque Wrenches are truly revolutionary. And now they are available in a wider range of sizes for every industry, including new 1/4" and 3/4" models. They unite torque and angle in a single mode to provide the most accurate and fastest way to achieve torque while applying the right angle tightening sequence. In addition to the LED indicator lights, an audible beep and handle vibration alert you when target torque is achieved.

The rugged all-steel construction is designed to stand-up to even the toughest work conditions. ControlTech™ Industrial Torque Wrenches are available with a 1/4", 3/8" or 1/2" drive flex head, a 1/4" or 3/4" drive fixed head, or an interchangeable head—all with an easy-to-use software solution and highly programmable features.



**Snap-on®**

# SEALED HEAD MODELS



**CTECH1FR240** – 1/4" Drive Sealed Flex Head

**CTECH1R240** – 1/4" Drive Sealed Fixed Head



**CTECH2FR100** – 3/8" Drive Sealed Flex Head



**CTECH3FR250** – 1/2" Drive Sealed Flex Head



**CTECH4R600** – 3/4" Drive Sealed Fixed Head

**NEW**

**NEW**

Stock #	CTECH1FR240 - Flex CTECH1R240 - Fixed	CTECH2FR100	CTECH3FR250	CTECH4R600
Square Drive	1/4"	3/8"	1/2"	3/4"
Head Type	Sealed Flex Head or Fixed Head	Sealed Flex Head	Sealed Flex Head	Sealed Fixed Head
Torque Range, in lb	12-240	60-1200	150-3000	360-7200
Torque Range, ft lb	1-20	5-100	12.5-250	30-600
Torque Range, Nm	1.4-27.2	6.8-135.6	16.9-339	40.7-813.5
Torque Accuracy	+/- 2% Clockwise; +/- 3% Counterclock- wise	+/- 2% Clockwise; +/- 3% Counterclock- wise	+/- 2% Clockwise; +/- 3% Counterclock- wise	+/- 2% Clockwise; +/- 3% Counterclock- wise
Angle Range	0-360 Degrees	0-360 degrees	0-360 degrees	0-360 Degrees
Dual 80® Technology	Yes	Yes	Yes	No
Storage Capacity	1,500 Readings	1,500 Readings	1,500 Readings	1,500 Readings
Number of Presets	50	50	50	50
All Steel Body	Yes	Yes	Yes	Yes
Batteries Included	3 x AAA Lithium	3 x AA Lithium	3 x AA Lithium	3 x AA Lithium
Storage Case Included	Yes	Yes	Yes	Yes
Ratchet Service Kit	RKRT72	RKRF80	RKRS80	RKRQC4
Head Depth	7/16" (11.11 mm)	5/8" (15.9 mm)	3/4" (19.1 mm)	1 1/4" (31.75 mm)
Head Width	7/8" (22.23 mm)	1-5/32" (29.4 mm)	1-5/8" (15.9 mm)	2 1/2" (63.5 mm)
Length	14.1" (358.14 mm)	18.9" (480.0 mm)	26.7" (678.2 mm)	48.6" (1234.44 mm)

All models comply with ISO®-6789-2003 and ASME® B107.300-2010 (B107.28) Standards for Electronic Torque Instruments

## DID YOU KNOW?

The new 1/4" drive ControlTech™ Industrial Torque Wrench is ideal for aviation technicians while the new 3/4" drive is ideal for both the oil & gas industry and the railroad industry.

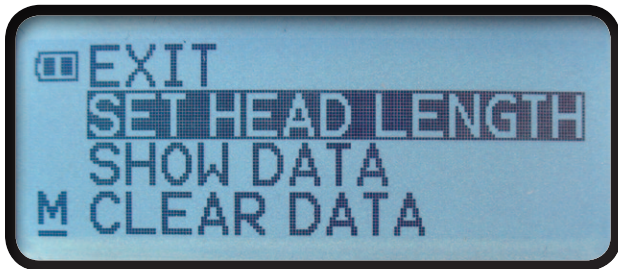
# PERFORMANCE

Snap-on ControlTech™ Industrial Electronic Torque Wrenches provide instant data on the exact torque *actually* applied—something mechanical wrenches can't do. The patent-pending Torque and Angle combo mode provides the most accurate and fastest way to achieve torque plus angle in a single motion. Control torque accuracy to +/- 2% clockwise, +/- 3% counterclockwise. Control angle accuracy to +/- 1% of reading and +/- 1 degree.



## DURABILITY

The rugged, all-steel body is designed to stand-up to industrial use and each Snap-on ControlTech™ Industrial Electronic Torque Wrench is backed by an Industry-leading 2 year warranty.



## BUILT-IN CALIBRATION

Calculates calibration factor automatically. Interchangeable head models feature a patent-pending\* built-in calibration factor for different interchangeable head lengths.

## DID YOU KNOW?

Snap-on ControlTech™ Industrial Torque Wrenches are ideal for any working condition thanks to audible, tactical and visual indicators that verify when torque is within the target range.



## LED INDICATOR LIGHTS

Dual side LED indicator lights with configurable settings provide operational guidance.



## MULTI-SENSORY INDICATORS

The easy-to-read LCD screen, LED indicator lights, audible beep and handle vibration work together to signal when torque is within the targeted range.



## DUAL 80® TECHNOLOGY

Provides precise yet strong ratchet function with minimal ratcheting arc and very little lost motion, allowing you to ratchet in tighter areas (CTECH1FR240, CTECH2FR100 and CTECH3FR250).

\*U.S. and Foreign Patents Pending

# CONVENIENCE & CONTROL

Snap-on ControlTech™ Industrial Electronic Torque Wrenches are fully programmable for reliable, consistent, repeatable torque application. Every model features a large, backlit LCD screen for better visibility in a variety of working conditions and a high storage memory capacity for 1,500 readings.

## DID YOU KNOW?

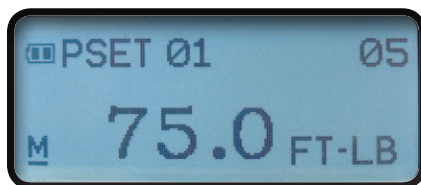
The Snap-on plug and play system of interchangeable heads are consistently sized from pin to the center of the fastener, so the calibration factor is automatically calculated.

DATE/TIME	MIN TARGET TORQUE	MAX TARGET	PEAK TORQUE	MIN TARGET	MAX TARGET	PEAK ANGLE	TORQUE UNITS	TORQUE STATUS	ANGLE STATUS	MODE COUNT
1/1/2013 16:38	20	30	20.3	0	0	0	FT-LB	OK	OK	3
1/1/2013 16:38	20	30	20.55	0	0	0	FT-LB	OK	OK	2
1/1/2013 16:38	20	30	20.55	0	0	0	FT-LB	OK	OK	1
1/1/2013 6:39	0	0	25.09	45	60	46	FT-LB	OK	OK	1
1/1/2013 16:39	0	0	26.62	45	60	46	FT-LB	OK	OK	2
1/1/2013 16:39	0	0	26.57	45	60	46	FT-LB	OK	OK	3
1/1/2013 16:41	0	0	23.32	50	65	52	FT-LB	OK	OK	3
1/1/2013 16:41	0	0	19.98	50	65	51	FT-LB	OK	OK	2
1/1/2013 16:41	0	0	22.18	50	65	52	FT-LB	OK	OK	1
1/1/2013 16:50	25	35	28.29	50	65	57	FT-LB	OK	OK	3
1/1/2013 16:51	25	35	27.76	50	65	52	FT-LB	OK	OK	2
1/1/2013 16:51	25	35	28.15	50	65	54	FT-LB	OK	OK	1
1/1/2013 16:52	19	22	23.69	0	0	0	FT-LB	HIGH	OK	1
1/1/2013 16:54	0	0	26.73	43	49	53	FT-LB	OK	HIGH	1



## EASY-TO-USE SOFTWARE SOLUTION

USB downloadable data provides an audit proof trail and torque process control.



### FULLY PROGRAMMABLE

50 memory presets with a batch count up to 99. Presets can be locked to prevent inadvertent changes or tampering.

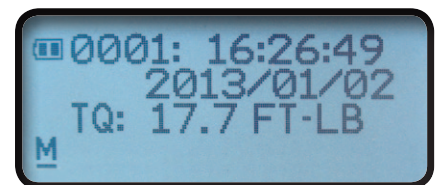
### SEQUENCE PROGRAMMING

Allows you to program different torque applications in sequence and lock in job mode to ensure the operator follows sequence without error.



### CALIBRATION DUE INDICATOR

Using a patent-pending\* time based calibration technology, the Snap-on ControlTech™ Industrial Torque Wrench alerts you when calibration is needed.



### RELIABLE DATA TRAIL

Time stamped data trail for quality control, job auditing, and torque verification.



# INTERCHANGEABLE HEAD MODELS



**CTECH1J240** – Interchangeable Head;  
J Shank w/Quick Release



**CTECH2Y100** – Interchangeable Head;  
Y Shank w/Quick Release



**CTECH3X250** – Interchangeable Head;  
X Shank w/Quick Release



**CTECH4Z600** – Interchangeable Head;  
Z Shank w/Quick Release

**NEW**

**NEW**

Stock #	CTECH1J240	CTECH2Y100	CTECH3X250	CTECH4Z600
Shank Diameter	J (0.425")	Y (0.560")	X (0.735")	Z (0.990")
Head Type	Interchangeable	Interchangeable	Interchangeable	Interchangeable
Torque Range, in lb	12-240	60-1200	150-3000	360-7200
Torque Range, ft lb	1-20	5-100	12.5-250	30-600
Torque Range, Nm	1.4-27.2	6.8-135.6	16.9-339	40.7-813
Torque Accuracy	+/- 2% Clockwise; +/- 3% Counterclockwise	+/- 2% Clockwise; +/- 3% Counterclockwise	+/- 2% Clockwise; +/- 3% Counterclockwise	+/- 2% Clockwise; +/- 3% Counterclockwise
Angle Range	0-360 Degrees	0-360 degrees	0-360 degrees	0-360 Degrees
Storage Capacity	1,500 Readings	1,500 Readings	1,500 Readings	1,500 Readings
Number of Presets	50	50	50	50
All Steel Body	Yes	Yes	Yes	Yes
Batteries Included	3 x AAA Lithium	3 x AA Lithium	3 x AA Lithium	3 x AA Lithium
Storage Case Included	Yes	Yes	Yes	Yes
Length*	12.5" (317.5 mm)	17.2" (436.9 mm)	24.1" (612.1 mm)	44.78" (1137.4 mm)

\* Wrench length specification does not include the length of interchangeable heads.

All models comply with ISO®-6789-2003 and ASME® B107.300-2010 (B107.28) Standards for Electronic Torque Instruments.

## ACCESSORIES (for interchangeable head models)

The Snap-on unique plug and play system of interchangeable heads are consistently sized from pin to the center of the fastener, so no adjustment calculations are needed. Interchangeable heads permit ratcheting, fixed, or open end torquing capability, with a wide range of head styles to choose from. See Snap-on Industrial Catalog 1200i or visit [www.snapon.com/industrial](http://www.snapon.com/industrial).

## PROPER WRENCH SELECTION

- The more critical the torque requirement, the more accurate the wrench should be, which is why Snap-on ControlTech™ Industrial Torque Wrenches are the perfect choice for critical industries.
- Choose a torque wrench that has roughly twice the capacity of the torque being applied. For example, for an application of 100 ft.lbs., choose a 200 ft.lbs. wrench. The “sweet spot” of a torque wrench is between 40% and 80% of the maximum scale (for a 250 ft. lb. wrench, between 100 and 200 ft. lbs.)
- Avoid choosing a wrench that will be used at the bottom of the scale and also at the top of the scale.

## SEALED HEAD



**CTECH1FR240** – 1/4" Drive Sealed Flex Head  
**CTECH1R240** – 1/4" Drive Sealed Fixed Head



**CTECH2FR100** – 3/8" Drive Sealed Flex Head



**CTECH3FR250** – 1/2" Drive Sealed Flex Head



**CTECH4R600** – 3/4" Drive Sealed Fixed Head

## INTERCHANGEABLE HEAD



**CTECH1J240** – Interchangeable Head; J Shank w/Quick Release



**CTECH2Y100** – Interchangeable Head; Y Shank w/Quick Release



**CTECH3X250** – Interchangeable Head; X Shank w/Quick Release



**CTECH4Z600** – Interchangeable Head; Z Shank w/Quick Release

To learn more, contact your Snap-on Industrial Account Manager or call the Snap-on Industrial Customer Service Center 1-877-740-1900. To view our Industrial website go to [www.snapon.com/industrial](http://www.snapon.com/industrial)