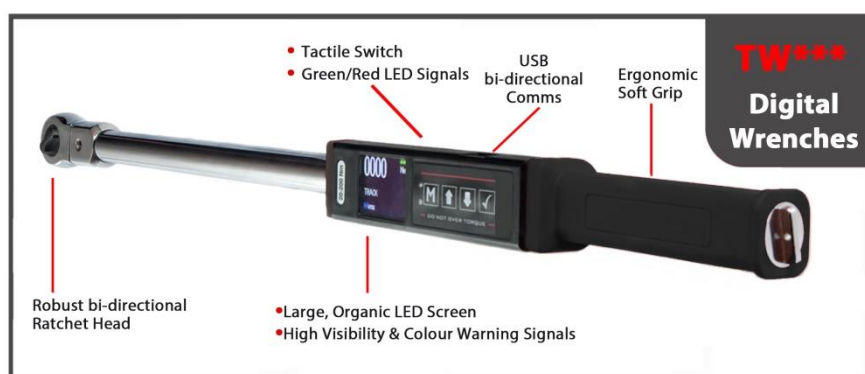


Digital Torque Wrenches – General specification



- Accuracy of $\pm 1\%$ of actual reading
- Torque range 1-2000Nm across series
- Audit torque, torque & angle or residual torque
- Full colour OLED screen
- Data transfer by USB as standard. Optional upgrades; Bluetooth, Zigbee
- Resolution of 0.01 to 50Nm, 0.1 to 999Nm
- Torque readings from 5% of maximum capacity
- Languages; English, Chinese, French, German, Italian, Polish, Portuguese, Russian, Spanish
- Units; cNm, Nm, ozins, lbins, lbft, kgfcm, kgfm
- Up to 120 hours battery life
- Rechargeable batteries available on request

Product Features



All Digital Torque Wrenches are calibrated in accordance with ISO 6789:2003 and are supplied with a fully traceable calibration certificate. A PC based data management software is provided with every digital tool, with features including SPC, export options and wireless communications platforms. Values such as C_{pk} and

standard deviation can be determined with visual representations of torque results created to offer a comprehensive analysis of torque performance.

The intuitive, menu-driven interface, coupled with standardisation across the product portfolio, means the operation of these tools can be learned in minutes with this knowledge transferrable between the product groups.



Digital wrench series specifications

Available wrench ranges	Adaptor size	Ratchet size	Length	Weight	
<i>Available on request (Nm)</i>	Standard models (Nm)	(mm)	(Square drive)	(mm)	(kg)
1-30	1-10, 2-20	9 x 12	1/4", 3/8"	410	0.85
5-135	5-50, 10-100	9 x 12	3/8", 1/2"		
15-340	20-200, 34-340	14 x 18	1/2"	625	1.3
50-600	60-600	24 x 32	3/4"	1250	4
80-1000	80-800, 100-1000	24 x 32	3/4"	1360	6
150-2000	150-1500, 200-2000	27 x 36	1"	1600	8

Auditor series - Digital Torque Wrenches – Product modes

Auditor (TAW***)	Key Features	Auditor series – Available models			
		Model #	Range	Model #	Range
✓	Track	TAW010	1-10Nm	TAW600	60-600Nm
✓	Peak	TAW020	2-20Nm	TAW800	80-800Nm
✓	99 Presets - Torque & Angle	TAW050	5-50Nm	TAW1000	100-1000Nm
✓	Just Move	TAW100	10-100Nm	TAW1500	150-1500Nm
✓	Just Angle	TAW200	20-200Nm	TAW2000	200-2000Nm
		TAW340	34-340Nm		


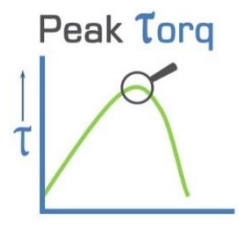
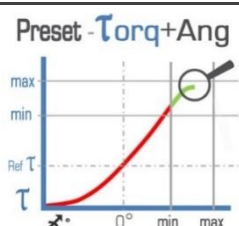
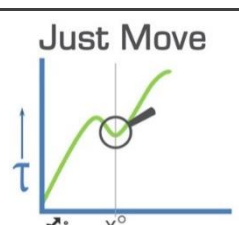
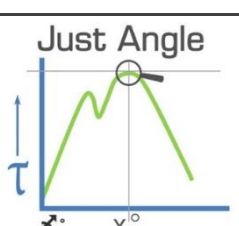
DESCRIPTION	GRAPHIC REPRESENTATION
TRACK MODE Actively displays applied torque value. Torque value returns to zero when torque is released.	
PEAK MODE Holds value of maximum applied torque value. User can store to memory or continue to next reading.	
PRESET TORQUE & ANGLE MODE Peak torque and angle readings compared to pre-configured min & max settings with progress bar, visual & audible alarms. User can store to memory or continue to next reading.	
JUST MOVE MODE Peak torque is captured after rotation of a pre-defined number of degrees. User can store to memory or continue to next reading.	
JUST ANGLE MODE Both peak angle & peak torque values are captured. User can store to memory or continue to next reading.	



Figure 1: PCFE user-interface

Features of PCFE compatible with all products

PCFE Setup

- Access: Three levels of password protected access.

Device setup

- Activate calibration – Activates calibration mode on connected devices.
- Set presets – Configure torque or torque & angle presets (model dependant).
- Load/save presets – Configured presets can be saved or imported.
- Enable/disable modes of operation – Locks device in 'Preset' mode (operator cannot change settings).

Data Management

- Data download – Each measurement is received with the device serial number, a time & date stamp along with preset information.
- Add manual-entry data fields – New data fields such as 'Location' or 'Operator' can be added to database.
- Statistical Process Control – Analyse results from 'Preset' mode (graph of results, Cpk, standard deviation).
- Save/Print/Export data

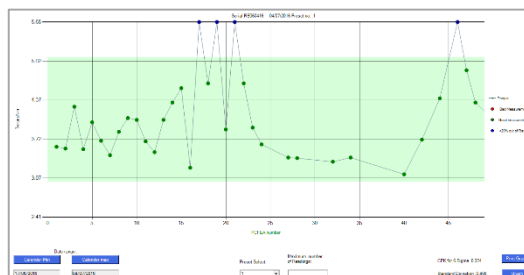


Figure 2: SPC graphing

Features of PCFE specific to certain products

- Torque counter – This feature enables a counter on the device which tracks every torque application. A limit of torque applications can be set at which point a 'Needs calibration' message appears on the device.
- Wireless management platform – This opens automatically on detection of a WCBR wireless receiver.
- Batch Capture – This platform is designed for use with devices with the 'BT' wireless upgrade.