



Expert™ ETW-E Series

Electronic Torque Wrenches



Precise. Portable.
Indispensable.

The solution for critical fastening.

Advanced tightening strategies in a con



Three torque capacities — Choose from 25, 75, and 180 Nm; maximum torques of 18, 55, 153 ft-lb.

Interchangeable head design suitable for use with Sturtevant Richmond® heads.

Impressive data storage of up to 1,500 final tightening values per application setup (2,500 max) and up to 10 tightening traces.

Tri-color LED display and buzzer provide visual and audible indication of cycle status.

Four Tightening Modes

- **Torque control** for accurate torque tightening
- **Torque plus angle control** for tightening to a specific angle beyond snug; improved clamp load consistency on more critical applications
- **Yield control** for tightening to yield point of fastener and for obtaining maximum clamp load from fastener
- **Track mode** for real-time torque analysis

Convenient, hand-held package



Backlit LCD display enables easy programming and monitoring of values.

Easy-to-use controls store up to 20 custom application setups.

Integral RS232 port allows for direct connection to computer for downloading data.

Lightweight design weighs only 2.2 lb (1 kg).

Battery operation for use with rechargeable NiMH battery pack or standard "C" cells.

Tightening Data Chart

- Statistics can be saved for up to 30 samples in each of 50 possible subgroups
- Sample statistics include mean, standard deviation, Cp, Cpk, R, Cm, Cmk, and Cam
- Tightening data can be transferred to a PC via the included RS232 cable
- Saved traces are uploaded directly to Microsoft Excel spreadsheets for easy creation of charts and graphs

Characteristics Name	TORQUE	Angle	Torque
Reading	1	1	2.2
Subgroup	2	2	2.81
Date	5/15/05	1	2.81
Time	10:00:00	5	2.76
Threshold Torque	1.00	6	2.80
Cycle End Time	5.0 s	7	5.00
Measurement Type	Torque	9	5.14
Offset (MPa)	14 m	10	3.20
Measurement Direction	Right	12	3.47
		14	3.88
		17	3.94
		18	3.96



Specifications

	ETW-E25	ETW-E75	ETW-E180
Torque Capacity	18 ft-lb (25 Nm)	55 ft-lb (75 Nm)	133 ft-lb (180 Nm)
Torque Units	Nm, Ncm, lb-ft, Kgm, Kgcm		
Overload Capacity	125% max capacity of wrench		
Torque Accuracy	+ / - max 0.5% capacity of wrench		
Angle Range	0 – 3000°		
Tightening Direction	CW & CCW		
Operating Temperature Range	41 – 104° F (5° – 40° C)		
Storage Temperature Range	32 – 122° F (0° – 50° C)		
Temperature Stability	+ / - 0.1% per °C		
Humidity Range	5% – 75% non-condensing		
Sealing	IP54		
Weight	2.2 lb (1 kg)		
Length	18.4 in (468 mm)		
Width	1.9 in (48 mm)		
Depth	1.5 in (38 mm)		
Power	2 “C” cells 1.5 V alkaline manganese (8 hours of continuous use) OR Rechargeable cell pack (typically 8 hours of continuous use)		

Expert Torque Wrench Accessories

DESCRIPTION	PART NUMBER
PC Software	ETW-CONNECT
Printer Cable	80097777
PC Cable	80097793
3/8" Square Ratchet Head	ETW-R06
1/2" Square Ratchet Head	ETW-R08

Each wrench comes with a carrying case, rechargeable battery pack, battery charger, cable, operating manual, and calibration certificate.



Expert™ ETW-E Series electronic torque wrenches

When there's an assembly job to be done, Ingersoll Rand wants to make sure you have the tools and technology to do it right and reliably. That's why we've developed the Expert ETW-E Series electronic torque wrenches.

Whether used on a production line for quality control or in a lab setting, Expert electronic torque wrenches are powerful, compact tools capable of developing, meeting, and verifying advanced tightening strategies such as torque, angle, and yield control. They're available in three torque capacities — 25, 75, and 180 Nm.

Expert electronic torque wrenches are far more accurate than manual torque wrenches. They're also the only tools in their class that can detect the yield point of fasteners — a big concern if you want your assemblies to be as tight and as safe as possible.





Ingersoll Rand Industrial Technologies provides products, services, and solutions to enhance the efficiency and productivity of our commercial, industrial, and process customers. Our innovative products include air compressors, air systems components, tools, pumps, material and fluid handling systems, and microturbines.

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