

RF Torque & Angle Wrench – WrenchStar Multi



Wireless transmission of torque value and angle of rotation

The WrenchStar Multi digital torque wrench is perfect for users who require torque and angle data digitally recording and a reliable, versatile and robust torque wrench. The torque wrench can be used wirelessly or with a cable option.

The wrench has a clear OLED display screen to view current task information, combined with a 360° lighting that is completely visible at any angle, plus a full vibration alert to indicate results.

The WrenchStar Multi works in combination with our revolutionary IQVu torque data collector or our TCI lineside controller via either an RF wireless connection or via a cable. Together, they are a perfect solution to accurately measure and tighten critical fasteners to your preset torque specifications.

For versatility, if the digital torque wrench goes out of range of its paired controller, it can continue to collect data with storage for up to 200 readings, allowing you to work offline. Once back in range, the WrenchStar Multi then automatically connects to the data collector or TCI and communicates the critical data.

A low pass Bessel Filter is employed for conditioning the transducer signal to 'eliminate noise' from the tool measurement.

The quick change battery allows less downtime in production. The WrenchStar Multi will also accept interchangeable heads with ID for Auto length compensation.

Ideal for wireless connection to TorqueStar Pro data collector



Fully compatible with lineside tool controller TCI-Multi resp. the latest TCI-2

- ▶ Static Accuracy $\pm 0.25\%$ FSD (right/left).
- ▶ Torque measurement sampled every 60 micro-seconds (16,667 per second).
- ▶ Angle measurement sampled every 1,000 micro-seconds (1,000 per second).
- ▶ Point-of-Load insensitive.
- ▶ Meas. Modes: Peak, Move-on, Yield.
- ▶ Can store up to 200 readings in Offline Mode.
- ▶ Readings are organised into Subgroups.
- ▶ Supplies its torque range (span), PPR (for angle), serial number, calibration due date.
- ▶ 360° light ring for fastening status.
- ▶ Vibration alert.
- ▶ Re-chargeable 3.7V Lithium Ion battery. Useable battery life of 10 hours with normal usage.
- ▶ Charge-LED, Status-LED.
- ▶ OLED 32x128 pixels white.
- ▶ Ingress Protection IP40 (indoor use only).
- ▶ Frequency Response selectable from 75 Hz to 4608 Hz.
- ▶ Communicates with an IQVu using 2,4 GHz RF (ISM band).
- ▶ Operating Temperature: -20 to +50°C
- ▶ Shipped items: WS-Multi, quick start guide, user manual, traceable calibration certificate (UKAS).

WrenchStar Multi

Model	Torque Range *			Head/Connector		Length mm	Weight kg
	N-m	lbf-in	lbf-ft	inch	mm		
WS-Multi 10 Nm DIN	2.0 - 10	17 - 88	–	–	9x12	330	0.72
WS-Multi 25 Nm DIN	5.0 - 25	44 - 221	–	–	9x12	330	0.72
WS-Multi 75 Nm DIN	15 - 75	133 - 663	–	–	9x12	395	0.91
WS-Multi 120 Nm DIN	24 - 120	212 - 1062	17 - 88	–	14x18	395	0.97
WS-Multi 180 Nm DIN	36 - 180	318 - 1593	27 - 132	–	14x18	613	1.47
WS-Multi 250 Nm DIN	50 - 250	443 - 2212	37 - 184	–	14x18	640	1.71
WS-Multi 340 Nm DIN	68 - 340	–	50 - 250	–	14x18	788	1.93
WS-Multi 500 Nm DIN	100 - 500	–	74 - 368	–	14x18	887	3.17
WS-Multi 10 Nm Fix	2.0 - 10	17 - 88	–	1/4	–	380	0.83
WS-Multi 25 Nm Fix	5.0 - 25	44 - 221	–	1/4	–	380	0.90
WS-Multi 750 Nm Fix	150 - 750	–	111 - 553	3/4	–	1178	5.28
WS-Multi 1000 Nm Fix	200 - 1000	–	148 - 737	1	–	1433	8.53
WS-Multi 1500 Nm Fix	300 - 1500	–	221 - 1106	1	–	1921	10.4

Standard delivery without accessories. Alternatively available as a package with battery (rechargeable) & charging cradle, or as a package with cable. Please specify on inquiry / order.

* It is recommended to use in medium performance range (approx. 1/3 to 4/5 of rated capacity).
If you regularly worked close to the limit of load (maximum span value), a larger model might be more recommendable to prevent over-torqueing.

