



WrenchStar Multi

Digital Torque Wrenches for recording torque and angle data.

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

The WrenchStar Multi works in combination with our TorqueStar Plus & Pro data collectors or our TCI lineside controllers wirelessly via RF or via a cable connection (TorqueStar Plus or Pro only). Together, they deliver a perfect solution to accurately measure and tighten critical fasteners to your pre-set torque specifications.

For versatility, if the wrench goes out of range of the paired controller, it continues to collect data with storage for up to 200 readings for offline work. Once back in range, the WrenchStar Multi then automatically connects and communicates the critical data.

Key Features

- Available in ranges from 10Nm up to 1500Nm
- 360° light ring for colour status of the readings
- Vibration alert for additional feedback
- Quick change battery for extended shift use
- Interchangeable wrench heads for multiple job use
- Auto-ID heads for automatic length compensation
- Small, clear OLED display screen
- Records up to 200 readings offline / out of range
- Compatible with TorqueStar Pro data collectors and TCI lineside controllers
- Point-of-load 'insensitive' - torque can be applied from any position on the wrench

Multiple uses & maximum compatibility.

Utilised in hundreds of applications and industries worldwide.

- The WrenchStar Multi can be utilised in both production and quality auditing applications across multiple manufacturing industries.
- Auto-ID wrench heads allow for automatic length compensation, making it quick and easy to swap between different jobs with the same wrench, helping to declutter the workspace.
- The WrenchStar Multi is also available in ranges from 10Nm up to 1500Nm for a variety of applications.



Product Code	Range
WS1JX-0010-C1DARX	10Nm - DIN Insert
WS1JX-0025-C1DARX	25Nm - DIN Insert
WS1JX-0075-C1DARX	75Nm - DIN Insert
WS1JX-0120-C1DARX	120Nm - DIN Insert
WS1KX-0180-C1DARX	180Nm - DIN Insert
WS1KX-0250-C1DARX	250Nm - DIN Insert
WS1KX-0340-C1DARX	340Nm - DIN Insert
WS1KX-0500-C1DARX	500Nm - DIN Insert
WS1AX-0010-C1FARX	10Nm - Fixed Head
WS1AX-0025-C1FARX	25Nm - Fixed Head
WS1DX-0750-C1FARX	750Nm - Fixed Head
WS1FX-1000-C1FARX	1000Nm - Fixed Head
WS1FX-1500-C1FARX	1500Nm - Fixed Head

Wrench	Head Type	Length (mm)	Weight (g)
10Nm	DIN 9x12mm	380	833
25Nm	DIN 9x12mm	380	904
75Nm	DIN 9x12mm	395	914
120Nm	DIN 9x12mm	395	967
180Nm	DIN 14x18mm	613	1474
250Nm	DIN 14x18mm	640	1710
340Nm	DIN 14x18mm	788	1925
500Nm	DIN 14x18mm	887	3173

Technical Specification

Operating Temp Range:	+5 to +40°C.
Storage Temp Range:	+5 to +40°C.
Humidity:	10-75% non-condensing.
IP Rating:	IP40 (indoor use only).
Zero Stability:	<0.02% FSD/°C.
Static Accuracy:	±0.25% FSD.
Reading Storage:	200 readings.
Sampled:	Every 20 micro seconds (50,000) per second.
Physical Measurement:	Bi-directional torque and angle.
Measurement Modes:	Peak, MoveOn and Yield.
Angle Measurement:	Sample every 1000 micro seconds.
Frequency Response:	75Hz to 4608Hz.
Battery:	Rechargeable 3.7v Lithium Ion.
Capacity:	2600mAh.
Display:	OLED 32 x 128 pixels white.
Communication with TorqueStar Plus:	Cable only.
Communication with TorqueStar Pro:	2.4GHz RF or cable.
Communication with TCI/TCI Multi/TCI-2:	2.4GHz RF with Open Protocol or Crane Protocol.
Warranty:	12 months parts and labour against faulty workmanship or materials.

Wrench	Head Type	Length (mm)	Weight (g)
10Nm	Fixed Head	330	720
25Nm	Fixed Head	330	725
750Nm	Fixed Head	1178	5279
1000Nm	Fixed Head	1433	8527
1500Nm	Fixed Head	1921	10377

For pricing, availability or further technical information about the WrenchStar Multi torque wrench, please contact us online at www.crane-electronics.com or alternatively you can email us at sales@crane-electronics.com.



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY
 USA - 1260 11th Street West, Milan, Illinois 61264, USA
 Germany - Im Rank 5, 73655 Plüderhausen, Germany

