



Eclatorq Digital Torque Wrench (WS Series)

- Fixed Head
- NUAGE function - optional
- Standard model
- Side LEDS

Eclatorq WrenchMark™ Standard Digital Torque Wrench, getting properly torqued fasteners is quick and easy with up to $\pm 3\%$ accuracy.

- Quick, accurate torquing for every nut, bolt and fastener
- Quality control and assurance with data recording
- Everyday reliability with robust build and high quality components
- Reduced downtime and maintenance with online calibration



At Eclatorq, we fuse the tools of today with the technologies of tomorrow to create a new generation of high tech tools. Built from almost a decade of high tech R&D and innovation, our Digital Tools provide users with unprecedented levels of control, accuracy and convenience. It is this commitment to creating ever more advanced and “smarter” tools that makes Eclatorq today’s leading manufacturer of Digital Tools, and changes not only the way people use tools, but how they define them.

Main Features

- NUAGE function–Optional–Readings independent of point of application of force (allows user to grasp at any position of handle with no accuracy difference).
- Standard functions including torque setting, unit setting, mode setting, and online calibration.
- Functions in both clockwise and anticlockwise directions.
- LCD display showing N-m, ft-lb, in-lb and kg-cm measurements.
- Audible and visible torque confirmation by means of buzzer and side LED display.
- Easy set-up per application.



Precise. Intelligent. Reliable.

6 or 12 side LEDs lights

Front view



Side view



- When approaching the target torque, the green lights will illuminate (a warning signal).
- When the target torque has been reached, the red lights will illuminate (a stop signal).

Advantages

- While using and the LCD display is invisible, 6 or 12 LED could side visible to alert user to readings.
- Side-view LEDs may reduce the chance of getting back injury for users after a long time usage (Need not bend to check LCD display).
- Can assist in working at small room (Need not move position to check LCD display).
- Can assist in working at noisy places; when working at noisy places and the buzzer is inaudible, side-view LEDs are very helpful.

Available Size

Model No.	PHOTO	Square Drive (inches)	Length (mm)	Accuracy	Max Operation Range	Measured Torque Range	Resolution	PC Connectivity
WS2-030CN		1/4	215	CW : ±3% CCW : ±4%	30 N-m 22.12 ft-lb 265.5 in-lb 306.1 kg-cm	15-30 N-m 11.1-22.12 ft-lb 13.3-262.5 in-lb 15.3-306.1 kg-cm	0.01 N-m 0.01 ft-lb 0.1 in-lb 0.1 kg-cm	No
WS3-030CN		3/8	215		30 N-m 22.12 ft-lb 265.5 in-lb 306.1 kg-cm	15-30 N-m 11-22.12 ft-lb 13.3-262.5 in-lb 15.3-306.1 kg-cm	0.01 N-m 0.01 ft-lb 0.1 in-lb 0.1 kg-cm	
WS3-060CN		3/8	225		60 N-m 44.24 ft-lb 530.9 in-lb 612.2 kg-cm	3-60 N-m 2.21-44.24 ft-lb 26.5-530.9 in-lb 30.6-612.2 kg-cm	0.01 N-m 0.01 ft-lb 0.1 in-lb 0.1 kg-cm	
WS3-085CN		3/8	271		85 N-m 62.7 ft-lb 752 in-lb 867 kg-cm	8.5-85 N-m 6.3-62.7 ft-lb 75-752 in-lb 87-867 kg-cm	0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	
WS3-135CN		3/8	380		135 N-m 99.5 ft-lb 1195 in-lb 1378 kg-cm	6.8-135 N-m 5-99.5 ft-lb 60-1195 in-lb 69-1378 kg-cm	0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	
WS4-135CN		1/2	380		135 N-m 99.5 ft-lb 1195 in-lb 1378 kg-cm	6.8-135 N-m 5-99.5 ft-lb 60-1195 in-lb 69-1378 kg-cm	0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	
WS4-200CN		1/2	500		200 N-m 147.5 ft-lb 1770 in-lb 2041 kg-cm	10-200 N-m 7.4-147.5 ft-lb 88-1770 in-lb 102-2041 kg-cm	0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	
WS4-340CN		1/2	620		340 N-m 250.7 ft-lb 3009 in-lb 3469 kg-cm	17-340 N-m 12.5-250.7 ft-lb 150-3009 in-lb 173-3469 kg-cm	0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	

* Total torque control from a miniscule 1.5 N-m to a massive 340 N-m.

* Accuracy is guaranteed from 20% to 100% full scale.

* C : ±3%, N : No communication, R : With communication

Specifications

Model (WS Series)	WS2-030CN/ WS3-030CN/WS3-060CN WS3-085CN/ WS3-135CN/ WS4-135CN	WS4-200CN/ WS4-340CN
Bright LED	6 LED (2 Reds + 4 Greens)	12 LED (4 Reds + 8 Greens)
NUAGE Function	Optional	No
Operation Mode	Peak hold / Track	Peak hold / Track
Unit Selection	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm
Head Type	Round Head Ratchet	Round Head Ratchet
Gear Teeth	52	52
Button	4	4
Battery	AAA X 2	AA X 2
Battery Life (Continuous operation)	48 hrs.	110 hrs.
Battery Life (Standby)	6 months	1 year
Operating Temperature	-10°C~60°C	-10°C~60°C
Storage Temperature	-20°C~60°C	-20°C~60°C
Humidity	Up to 90% non-condensing	Up to 90% non-condensing
Drop Test	1 m	1 m
Vibration Test	10G	10G
Life Time	10000 cycle	10000 cycle
Environmental Test	Pass	Pass
Electromagnetic Compatibility Test	Pass	Pass

Package

