



Eclatorq Digital Torque Wrench (DEF Series)

- Flex Head
- Standard model
- 12 LEDs
- Easy Set-up per Application

Eclatorq WrenchMark™ Standard Digital Torque Wrench, getting properly torqued fasteners is quick and easy with up to $\pm 1\%$. $\pm 2\%$ 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

- 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 12 LED display.
- Easy to set-up per application



Precise. Intelligent. Reliable.

12 side LED lights

Front view



Side view



- Green LED lights are on when the torque is approaching the target torque value (a warning signal).
- Red LED lights are on when the torque reaches the target torque value (a stop signal).

Advantages

- While using and the LCD display is invisible, 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.

Specifications

Model No.	DEF2-030		DEF3-135		DEF4-135		DEF4-200		DEF4-340	
	AN	BN	AN	BN	AN	BN	AN	BN	AN	BN
Accuracy	CW: ±1% CCW: ±2%	CW: ±2% CCW: ±3%	CW: ±1% CCW: ±2%	CW: ±2% CCW: ±3%	CW: ±1% CCW: ±2%	CW: ±2% CCW: ±3%	CW: ±1% CCW: ±2%	CW: ±2% CCW: ±3%	CW: ±1% CCW: ±2%	CW: ±2% CCW: ±3%
Max Operation Range	30 N-m 22.12 ft-lb 265.5 in-lb 306.1 kg-cm		135 N-m 99.5 ft-lb 1195 in-lb 1378 kg-cm		135 N-m 99.5 ft-lb 1195 in-lb 1378 kg-cm		200 N-m 147.5 ft-lb 1770 in-lb 2041 kg-cm		340 N-m 250.7 ft-lb 3009 in-lb 3469 kg-cm	
Measured Torque Range	1.5-30 N-m 1.11-22.12 ft-lb 13.3-265.5 in-lb 15.3-306.1 kg-cm		6.8-135 N-m 5-99.5 ft-lb 60-1195 in-lb 69-1378 kg-cm		6.8-135 N-m 5-99.5 ft-lb 60-1195 in-lb 69-1378 kg-cm		10-200 N-m 7.4-147.5 ft-lb 88-1770 in-lb 102-2041 kg-cm		17-340 N-m 12.5-250.7 ft-lb 150-3009 in-lb 173-3469 kg-cm	
Resolution	0.01 N-m 0.01 ft-lb 0.1 in-lb 0.1 kg-cm		0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm		0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm		0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm		0.1 N-m 0.1 ft-lb 1 in-lb 1 kg-cm	
PC Connectivity	No									
Bright LED	12 LED (4 Reds + 8 Greens)									
Operation Mode	Peak hold / Track									
Unit Selection	N-m, in-lb, ft-lb, kg-cm									
Head Type	Flex Head									
Gear Teeth	36									
Button	4									
Battery	AA X 2									
Operating Temperature	-10°C-60°C									
Storage Temperature	-20°C-70°C									
Humidity	Up to 90% non-condensing									
Drop Test	1 m									
Vibration Test	10G									
Life Time	10000 cycle									
Environmental Test	Pass									
Electromagnetic Compatibility Test	Pass									

* 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.

* A: ±1% (CW), B: ±2% (CW), N: No communication

Available Size

Model No.	Photo	Square Drive (inches)	Length (mm)
DEF2-030		1/4	395
DEF3-135		3/8	425
DEF4-135		1/2	425
DEF4-200		1/2	535
DEF4-340		1/2	655

Package

