

TORQUE CHECKING QC WRENCHES

In many maintenance and production processes it is necessary to conduct statistical control over previously tightened fasteners. This control is generally carried out by re-tightening the screws until they show a displacement (called the just move test) and recording the torque just at the point the fastener began to move. The accuracy of the recorded torque depends on the abilities of the user, since it is necessary to perform the tightening operation in a progressive and careful manner; the movement of the fastener and the torque reading occur at the same time; making the precise recording of the original torque even more difficult, so the actual values recorded in this manner can represent a considerable deviation in the real torque that was intended to be measured.

In order to overcome these factors which lead to reading inaccuracies, EGA Master has developed its torque checking qc wrenches. They register the original tightening torque of the fastener by means of an innovative system that registers the torque at the same time that the fastener starts to turn, thanks to its rotation angle sensor or recording the torque value when it detects a rotation of a specified angle.



1. Data recording and communication system.

2. It includes a USB cable.

3. The ratchet head gear is made in Cr-V for maximum strength.

4. Audible and light warning system for the pre-setting torques.

5. Progressive switching on of the light leds to approach the pre-set value.

6. Oversized ergonomic & anti-slippery handles.

7. Individual carrying case.

8. Two measuring modes:

M1: for verification of tightening torque (QC: specified angle / QCT: start of rotation)

M2: for Peak (maximum torque value) & Track (current torque value).

9. Reversible ratched head.

10. It can store up to 250 values.

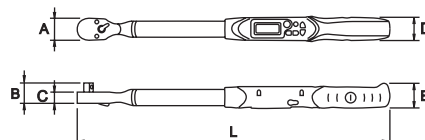
11. Measurement units: Nm, Lb.ft, Lb.in, Kg.cm

12. 24h web calibration system.

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* 12M



COD.	AF inch	N.m	Lb.ft	Lb.in	Kg.cm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Kg	
59138	1/4	1,5-30	1-22	13-265	15-306	390	23	19	11			1,4	
59139	3/8	6,8-135	5-100	60-1195	69-1378	415	30	27	15			1,5	
59140		10-200	7-148	88-1770	102-2041	530				39	44	2,1	1
59141	1/2	17-340	12-251	150-3009	173-3469	650	41	35	19			2,3	

12M

COD.	Accuracy CW (clockwise)	Accuracy CCW (counter clockwise)	Resolution	Data memory	Data communication to the computer	Cable for data communication
59138			0.01Nm / 0.01 Lb.ft / 0.1 Lb.in / 0.1 Kg-cm			
59139	±1%	±2%		250	●	●
59140			0.1Nm / 0.1 Lb.ft / 1 Lb.in / 1 Kg-cm			
59141						

TECHNICAL SPECIFICATION

Calibration certificate	●
Reversible	●
Teeth	36
Warning system	Audible and light alarm
Operation mode	M1: Verification of tightening torque QC/QCT - M2: Peak/Track*
Unit selection	N.m / Lb.ft / Lb.in / Kg.cm
Programs for calibration and data communication	●
Web calibration	●
Batteries	AA x 2
Battery operation time	110 h
Battery life (standby)	1 year
Working temperature	-10 °C ~ 60 °C
Storage temperature	-20 °C ~ 70 °C

* : Track mode: Direct torque value - Peak mode: Max. torque Value

ACCESSORIES

COD.	Description	SC L (m)
57573	USB cable	1,2

