

# Wireless Data Transfer Torque Wrench **CEM3-G-BTA**

Torque and Angle Monitoring with Bluetooth



**CEM100N3X15D-G-BTA with  
Interchangeable Ratchet Head QH15D**

- Transfer collected data wirelessly by built in Bluetooth® module
- Angle monitoring at the peak tightening torque or measured torque
- For tightening and inspection purpose
- Eight models cover a torque range of 2 ~ 850N·m
- Wide variety of interchangeable heads available



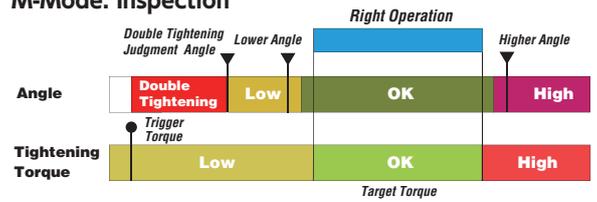
# Features

## For Inspection

Monitoring excessive or extremely small angle rotation during the re-tightening inspection will provide evidence for correct data verification.



## M-Mode: Inspection

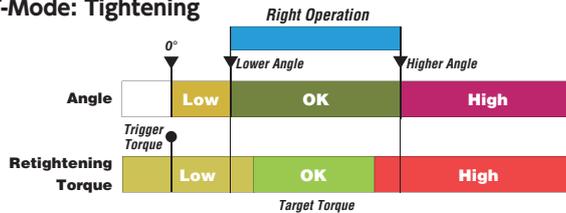


## For Tightening

By detecting final angle at the completion of the tightening operation, it is possible to eliminate tightening errors caused by provisional tightening, the tightening application or double tightening.

The set value can be changed by command input from PC / tablet depending on each tightening operation.

## T-Mode: Tightening



## T-Mode: Double Tightening Detection



# Specification

Accuracy +/- 1%

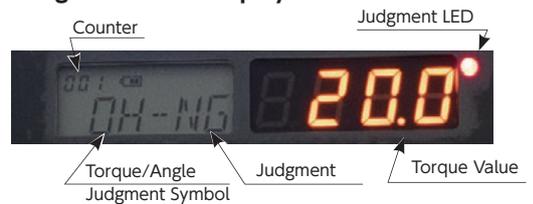
Head Size	Model	Torque Range						Overall Length [mm]	Angle Range		Angle Accuracy	Weight [kg]
		N-m		kgf-m		lbf-ft			Min.-Max.	1 digit		
8D	CEM10N3x8D-G-BTA	2-10	0.01	0.200-1.000	0.001	1.50-7.30	0.01	212			±2°+1digit	0.54
10D	CEM20N3x10D-G-BTA	4-20	0.02	0.400-2.000	0.002	3.00-14.50	0.02	214			0.66	0.55
12D	CEM50N3x12D-G-BTA	10-50	0.05	1.000-5.000	0.005	7.50-36.00	0.05	282			0.71	0.66
15D	CEM100N3x15D-G-BTA	20-100	0.1	2.00-10.00	0.01	15.0-73.0	0.1	384	0-999°	1°	0.86	0.71
19D	CEM200N3x19D-G-BTA	40-200	0.2	4.00-20.00	0.02	30.0-150.0	0.2	475			1.21	0.86
22D	CEM360N3x22D-G-BTA	72-360	0.4	7.2-36.00	0.04	52.0-260.0	0.4	713			4.08	1.21
32D	CEM850N3x32D-G-BTA	170-850	1	17.0-85.0	0.1	124-620	1	1387			5.22	4.08

Standard accessories: QH head, BP-5 Battery, BC-3-G Charger

## Specification

Wireless Standard	Bluetooth® V3.0 Profile : SPP RS232C compliant (2400-19200bps) USB connector compliant serial output	Communication Distance	Approx. 10m* *Veris in radio conditions
Display	Popwer LED, Status LED	Continuous Use	8 hours
		Acquisition of License	TELEC, FCC, IC, SRRC, CE

## Judgment Result Display



- L :Less than the lower limit (Low-NG)
- O :OK
- H :Beyond the upper limit (High-NG)
- D :Double tightening (NG tightening)

### Note

1. Trigger torque can be set from the 5% of the maximum torque
2. Trigger torque set below the minimum torque range of the body is not warranted.

Over 300 kinds of interchangeable heads are available to suit a variety of work applications.

<b>SH</b> <p>Spanner head type is ideal for bolt nut tightening or piping operation. mm and Inch size available</p>	<b>RH</b> <p>Ring spanner head firmly grips a fastener for safety and accurate operation.</p>	<b>QH</b> <p>Ratchet Head can apply a socket and the ratcheting action for fast operation.</p>	<b>RQH</b> <p>Female Ratchet Head is ideal for use in low ceiling space and not required to attach socket.</p>	<b>DH</b> <p>Square Drive Head is simple structure and ideal for use in the corner of bolt or bolts on a flange piping.</p>	<b>HH</b> <p>Hex Head can attach a Hex key for socket head cap screw tightening.</p>	<b>FH</b> <p>Hook Head is ideal for use with bearing lock nut applications.</p>
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The TUD symbol indicates that our products are ergonomically designed and adapted for Color Vision Deficiencies.



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