

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



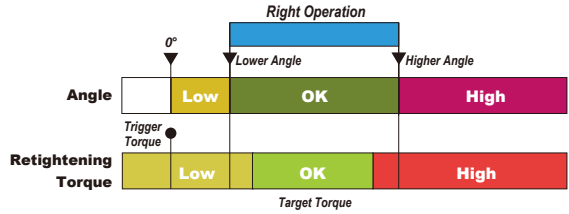
Features

For Inspection

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



M-Mode: Inspection

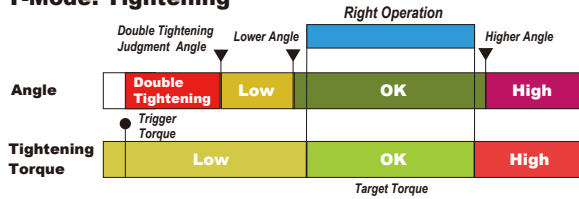


For Tightening

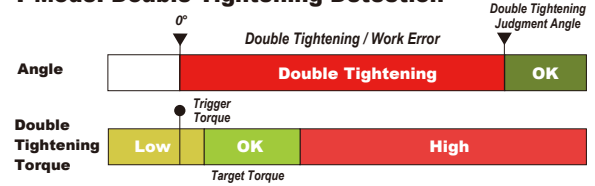
By detecting final angle at the completion of the tightening operation, it is possible to eliminate tightening errors caused by provisional tightening, the tightening application or double tightening.

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.	1digit		
8D	CEM10N3×8D-G-BTA	2-10	0.01	0.200-1.000	0.001	1.50-7.30	0.01	212			0.54	
10D	CEM20N3×10D-G-BTA	4-20	0.02	0.400-2.000	0.002	3.00-14.50	0.02	214			0.55	
12D	CEM50N3×12D-G-BTA	10-50	0.05	1.000-5.000	0.005	7.50-36.00	0.05	282			0.66	
15D	CEM100N3×15D-G-BTA	20-100	0.1	2.00-10.00	0.01	15.0-73.0	0.1	384			0.71	
19D	CEM200N3×19D-G-BTA	40-200	0.2	4.00-20.00	0.02	30.0-150.0	0.2	475	0-999°	1°	0.86	
22D	CEM360N3×22D-G-BTA	72-360	0.4	7.2-36.00	0.04	52.0-260.0	0.4	713			1.21	
	CEM500N3×22D-G-BTA	100-500	0.5	10.00-50.00	0.05	73.0-360.0	0.5	949			4.08	
32D	CEM850N3×32D-G-BTA	170-850	1	17.0-85.0	0.1	124-620	1	1387			5.22	

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, SRR, 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.



Spanner head type is ideal for bolt nut tightening or piping operation.
mm and Inch size available



Ring spanner head firmly grips a fastener for safety and accurate operation.



Ratchet Head can apply a socket and the ratcheting action for fast operation.



Female Ratchet Head is ideal for use in low ceiling space and not required to attach socket.



Square Drive Head is simple structure and ideal for use in the corner of bolt or bolts on a flange piping.



Hex Head can attach a Hex key for socket head cap screw tightening.



Hook Head is ideal for use with bearing lock nut applications.



Promotional videos are available on YouTube. Visit Tohnichi TV!
<https://www.youtube.com/c/TohnichiTV>



The TUD symbol indicates that our products are ergonomically designed and adapted for Color Vision Deficiencies.

TOHNICHI MFG CO., LTD.

URL <http://www.global-tohnichi.com>

E-mail overseas@tohnichi.co.jp

N.V. TOHNICHI EUROPE S.A.

E-mail europa@tohnichi.com

TOHNICHI AMERICA CORP.

URL <http://www.tohnichi.com>

E-mail inquiry@tohnichi.com

TOHNICHI SHANGHAI MFG. CO., LTD.

URL <http://www.tohnichi-sh.com>

E-mail sales@tohnichi-sh.com

TATSO

Tohnichi Asia Technical Support Office

Sriracha, Thailand

Tel. +66 33 002307 Fax +66 33 002337



• The appearance and specifications are subject to change for improvement without prior notice.

• ©TOHNICHI Mfg. CO., LTD. All Rights Reserved.