



www.tohnichi.com

Home / Products / Torque Wrench / Torque and Angle Wrench / CEM-BTA

Torque Wrench

CEM-BTA Digital Torque Wrench with Bluetooth & Torque and Angle

DIRECTION

RoHS FOR INSPECTIONS DIGITAL INTERCHANGEABLE HEAD DIRECT READING RE-CHARGEABLE

Features

- Digital Torque Wrench with Torque & Angle Monitoring
 - Angle monitoring at the peak tightening torque or measured torque value
- Judgement function by Torque and Angle
- Torque Value and Angle Data are transferred by Bluetooth
 - Wireless duplex communication sends Hi/Lo limit torque and angle settings to the wrench then sends the collected data back to PC
- Basic functions of CEM3-G Model with additional features of Angle detection and Bluetooth communications



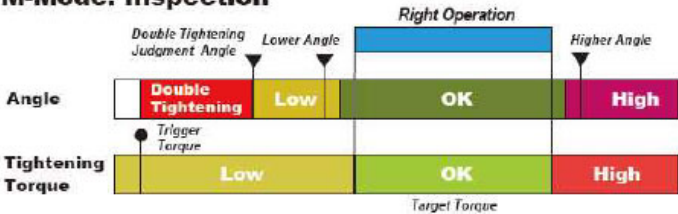
CEM100N3X15D-G-BTA

For Assembling

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



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



Specifications

Accuracy ±1%									
MODEL		CEM10N3X8D-G-BTA	CEM20N3X10D-G-BTA	CEM50N3X12D-G-BTA	CEM100N3X15D-G-BTA	CEM200N3X19D-G-BTA	CEM360N3x22D-G-BTA	CEM500N3x22D-G-BTA	CEM850N3x32D-G-BTA
TORQUE RANGE [N · m]	MIN. ~ MAX.	2 ~ 10	4 ~ 20	10 ~ 50	20 ~ 100	40 ~ 200	72 ~ 360	100 ~ 500	170 ~ 850
	1 DIGIT	0.01	0.02	0.05	0.1	0.2	0.4	0.5	1
TORQUE RANGE [kgf·m]	MIN. ~ MAX.	0.2 ~ 1	0.4 ~ 2	1 ~ 5	2 ~ 10	4 ~ 20	7.2 ~ 36	10 ~ 50	17 ~ 85
	1 DIGIT	0.001	0.002	0.005	0.01	0.02	0.04	0.05	1
TORQUE RANGE [lbf·ft]	MIN. ~ MAX.	1.5 ~ 7.3	3 ~ 14.5	7.5 ~ 36	15 ~ 73	30 ~ 150	52 ~ 260	73.0 ~ 360	124 ~ 620
	1 DIGIT	0.01	0.02	0.05	0.1	0.2	0.4	0.5	1
OVERALL LENGTH	L'	212	214	282	384	475	713	949	1387
WEIGHT	[kg]	0.54	0.55	0.66	0.71	0.86	1.21	4.08	5.22
ANGLE RANGE	MIN. ~ MAX.	0 ~ 999°							
	1 DIGIT	1°							
ANGLE ACCURACY		+/-2° + 1 digit (Angular velocity is 30° / X~180° /s when the bolt turned to 90°)							

COMMUNICATION DIRECTION	Simple Output of Collected Data	Duplex: Sends Data in/out
MEMORY	999	None
CONTINUOUS USE	Approx. 8hrs	
Bluetooth® VERSION	Ver1.2	
COMMUNICATION METHOD	AFH	
MODULATION METHOD	GFSK	
RADIO OUTPUT POWER	4dBm	
TRANSMISSION POWER CLASS	Class2	
PROFILE	SPP	
COMMUNICATION DISTANCE	Approx 10m	

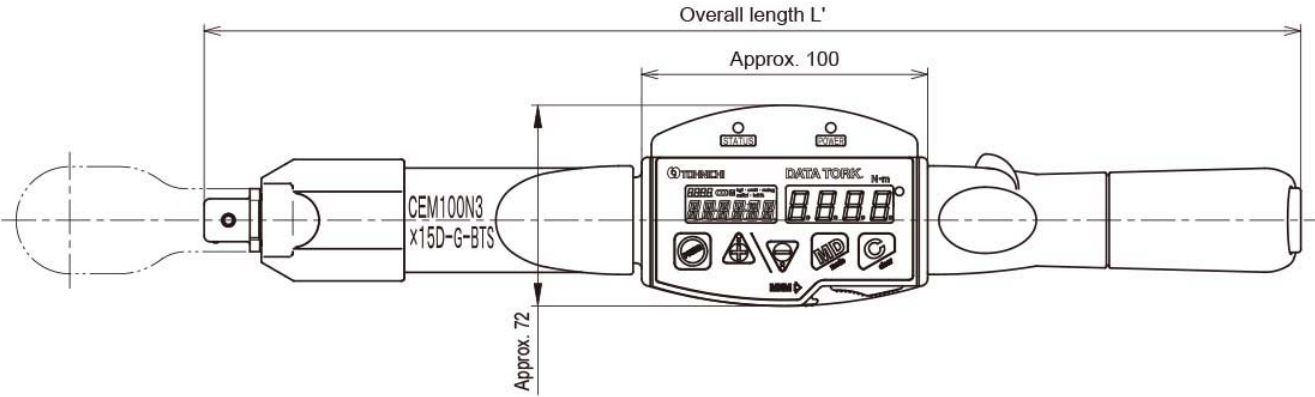
Standard accessories

Standard Accessories: Battery pack (BP-5), QH head, Quick battery charger (BC-3-G)

Note:

- 1. Trigger torque can be set between 5% of the maximum torque and up to the maximum.
- 2. Trigger torque set below the minimum torque range of the model is not guaranteed.
- 3. Applicable for use with Tohnichi Software: TDMS Tightening Data Managment in Measurement Mode. Ask about custom software to fit your specific needs.

Dimensions



Accessories



Interchangeable Heads



Sockets



Battery Pack BP-5



Quick Charger BC-3-G