

Tightening Data Management System

Wireless Digital Torque Wrench
Model: CEM3-G-BTD/Duplex communication

Ideal for managing tightening data in cell-production or sub-assembly lines

Merit

- Preventing tightening errors such as missed tightening and over torque by setting upper/lower limit on a digital torque wrench
- Traceable for product claims
- Managing actual applied torque value used in the assembly lines
- Reducing potential costs associated the additional checks and reworks

Outline

"CEM3-G-BTD" provides duplex wireless transfer of data between the wrench and PC. "CEM3-G-BTD + Management software" adds additional duplex functionality by sending set torque value, fastener quantity, and judgments to the wrench for various tightening applications. One digital torque wrench can replace several manual preset click torque wrenches with the additional benefit of storing the actual applied torque. Upper/Lower limit can be set on a digital torque wrench from PC with a duplex communication. As a result, reducing operative cost and time becomes possible.

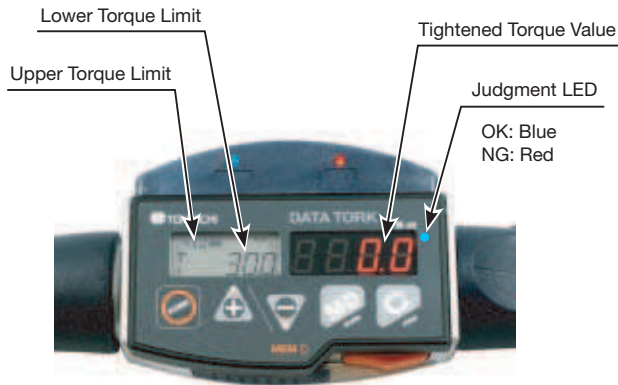
System

Instantly send tightened torque data back to PC

Upper/Lower limit can be set wirelessly from PC to torque wrench.



Wireless Digital Torque Wrench
CEM3-BT



Duplex communication



RoHS

Bluetooth Specification	
Communication Method	Bluetooth
Radio Frequency Range	2.4GHz
Communication Distance	Approx. 10m
Continuous Use	Approx. 8 hours

Tohnichi Head Size	Model		Torque Range [N·m]		Overall Length [mm]	Weight [kg]
	Simplex Communication	Duplex communication	Min.-Max.	Grad.		
8D	CEM10N3X8D-G-BTS	CEM10N3X8D-G-BTD	2-10	0.01	212	0.54
10D	CEM20N3X10D-G-BTS	CEM20N3X10D-G-BTD	4-20	0.02	214	0.55
12D	CEM50N3X12D-G-BTS	CEM50N3X12D-G-BTD	10-50	0.05	282	0.66
15D	CEM100N3X15D-G-BTS	CEM100N3X15D-G-BTD	20-100	0.1	384	0.71
19D	CEM200N3X19D-G-BTS	CEM200N3X19D-G-BTD	40-200	0.2	475	0.86
22D	CEM360N3X22D-G-BTS	CEM360N3X22D-G-BTD	72-360	0.4	713	1.21
	CEM500N3X22D-G-BTS	CEM500N3X22D-G-BTD	100-500	0.5	949	4.08
32D	CEM850N3X32D-G-BTS	CEM850N3X32D-G-BTD	170-850	1	1387	5.22

Accuracy ±1%

Handy Terminal

HT-S5



Compact data collection device for CEM3-BT

- Upload & download torque measuring information
- Guides user through torque assembly & quality inspection processes
- Statistics and charting capabilities

Note

1. Overall length does not include interchangeable head.
2. Refer to pages 42-45 for details with interchangeable heads.
3. PH (Pipe wrench head) is not applicable due to difference of effective length.
4. Bluetooth adapter (optional) is necessary if your PC is not compatible.
5. Consult Tohnichi for management software (optional) for data setting and processing.
6. CEM3-BT models have two types.
Simplex communication (BTS): CEM3-BT → Transfer measurement data to PC
Duplex communication (BTD): Set torque and upper/lower limits in PC → CEM3-BT → Transfer measurement data to PC
7. Standard CEM3 is unable to modify into CEM3-BT.

Standard Accessories

Battery pack, Quick charger, QH interchangeable head