

Wireless Data Transfer Torque Wrench CEM3-G-WF

Wireless LAN Wide Range Communication



CEM100N3X15D-G-WF with
Interchangeable Ratchet Head QH15D

- 2.4/5GHz, IEEE 802.11 wireless LAN network communication
- Wide communication range, maximum 50m
- For tightening and inspection purpose
- Eight models cover a torque range of 2 ~ 850N·m
- Wide variety of interchangeable heads available



System Configuration Example

For Assembling



Target torque & upper limit



- Target torque and upper limit can be set via command input
- Preliminary alert at 80 % of the tightening completion torque
- Transfer realtime tightening data to PC/Server

For Inspection



- Tohichi provide special make tightening torque management software. Ask to distributor or Tohnichi.



- Direct connect on a Tablet that indicates inspection sequence
- Automatically integrates name of the part with measured data
- Transfer the realtime inspection record to PC/Server via Tablet

Specification

Head Size	Model	Torque Range						Overall Length [mm]	Weight [kg]
		N·m		kgf·m		lbf·ft			
		Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit		
8D	CEM10N3×8D-G-WF	2-10	0.01	0.200-1.000	0.001	1.50-7.30	0.01	212	0.54
10D	CEM20N3×10D-G-WF	4-20	0.02	0.400-2.000	0.002	3.00-14.50	0.02	214	0.55
12D	CEM50N3×12D-G-WF	10-50	0.05	1.000-5.000	0.005	7.50-36.00	0.05	282	0.66
15D	CEM100N3×15D-G-WF	20-100	0.1	2.00-10.00	0.01	15.0-73.0	0.1	384	0.71
19D	CEM200N3×19D-G-WF	40-200	0.2	4.00-20.00	0.02	30.0-150.0	0.2	475	0.86
22D	CEM360N3×22D-G-WF	72-360	0.4	7.2-36.00	0.04	52.0-260.0	0.4	713	1.21
	CEM500N3×22D-G-WF	100-500	0.5	10.00-50.00	0.05	73.0-360.0	0.5	949	4.08
32D	CEM850N3×32D-G-WF	170-850	1	17.0-85.0	0.1	124-620	1	1387	5.22

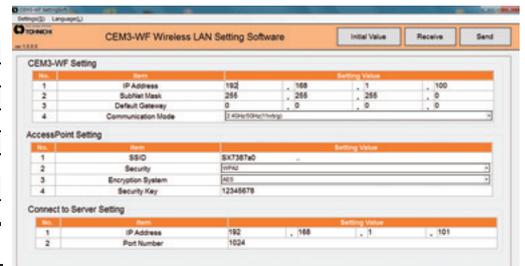
Accuracy +/- 1%

CEM3-G-WF Wireless LAN transmitter Specifications

Wireless Standard	IEEE 802.11a/b/g/n	Authentication Method	WPA2
Frequency	11b/g/n: 2.4/5GHz 11b/g : 2.4/ 11n/a : 5GHz	Transmission Speed	11b: Max.11Mbps 11a/g: Max. 54Mbps 11n: Max. 72.2Mbps
Modulation Method	11b: DSSS, 11a/g/n: OFDM	Communication Distance	Approx. 50m* *Veris in radio conditions
Protocol	TCP/IPv4	Acquisition of License	TELEC, FCC, IC, SRRC
Display	Popwer LED, Status LED		

Standard accessories

QH head, BP-5 Battery, BC-3-G Charger, 584 Cable, Setting software



CEM3-WF LAN setting software

Note

1. To use various functions, special software is required separately.
2. Contact Tohnichi for conditions of wireless certification acquisition for each contry.

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



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

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

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

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

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

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

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



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<https://www.youtube.com/c/TohnichiTV>

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



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