

CEM3-G

DATA TORK
(Digital Torque
Wrench)

Direction



CEM100N3x15D-G



CEM20N3x10D-G



CEM850N3x32D-G

Common Specifications

Display	7 segments LED 4 lines 10mm (Torque value)
	14 segments LCD 3 lines 7mm (Counter)
	7 segments LCD 4 lines 3mm (Clock)
	Battery life indicator (4 steps)
Number of Data Memory	Judgment LED RED/BLUE
	999 (M-2 mode: 99 data)
Communication Functions	RS232C (2400-19200bps)
Power Supply	Serial output corresponding to a USB connector
Continuous Use	Ni-MH rechargeable battery
Recharging Time	Approx. 20 hrs with fully charged (8 hours by 1 hour recharging)
Operation Temperature	Approx. 3.5 hours
Basic Functions	0-40 Celsius no condensation
	Peak Hold, Auto memory & resetting, Tightening completion buzzer, Judgment of measured data, Auto zero setting, Auto off (3 minutes), Clock

Note

1. Overall length does not include interchangeable head.
2. For interchangeable heads, refer to pages 40-43.
3. For infrared data transfer, use with R-DT999. (Refer to page 64)
4. For USB data transfer, use with No. 584 connecting cable (Optional).
5. PH (Pipe wrench head) type interchangeable head is not available for this model.

Standard Accessories

1. Battery pack (BP-5)
2. QH Interchangeable head (Refer to page 42)
3. Quick battery charger BC-3-G (100V-240V)

Inspection

Digital

Interchangeable

Direct Reading

Re-Chargeable

RoHS

- Dual LED & LCD displays for optimal viewing
- 999 memory storage capacity
- For inspection and tightening

Model	Torque Range										Hand Force [N]	Overall Length [mm]	Weight [kg]
	N-m		kgf-cm		kgf-m		lbf-in		lbf-ft				
	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit			
CEM10N3x8D-G	2-10	0.01	20-100	0.1	0.200-1.000	0.001	20.0-90.0	0.1	1.50-7.30	0.01	48.1	212	0.46
CEM20N3x10D-G	4-20	0.02	40-200	0.2	0.400-2.000	0.002	36.0-180.0	0.2	3.00-14.50	0.02	92.2	214	0.47
CEM50N3x12D-G	10-50	0.05	100-500	0.5	1.000-5.000	0.005	100.0-440.0	0.5	7.50-36.00	0.05	196.9	282	0.58
CEM100N3x15D-G	20-100	0.1	200-1000	1	2.00-10.00	0.01	200-880	1	15.0-73.0	0.1	275.5	384	0.63
CEM200N3x19D-G	40-200	0.2	400-2000	2	4.00-20.00	0.02	360-1700	2	30.0-150.0	0.2	428.3	475	0.78
CEM360N3x22D-G	72-360	0.4	720-3600	4	7.2-36.00	0.04	650-3100	4	52.0-260.0	0.4	498.6	713	1.13
CEM500N3x22D-G	100-500	0.5	1000-5000	5	10.00-50.00	0.05	890-4400	5	73.0-360.0	0.5	549.5	949	4.00
CEM850N3x32D-G	170-850	1	-	-	17.0-85.0	0.1	-	-	124-620	1	608	1387	5.14

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3. For infrared data transfer, use with R-DT999 (Refer to page 64).
4. PH (Pipe wrench head) type interchangeable head is not available for this model.

Standard Accessories

1. Battery pack (BP-5)
2. QH interchangeable head (Refer to page 42).
3. Quick battery charger BC-3-G (100V-240V).

CEM3-P

RoHS

- Programmable version of CEM3 with data management software that links work name with test results.

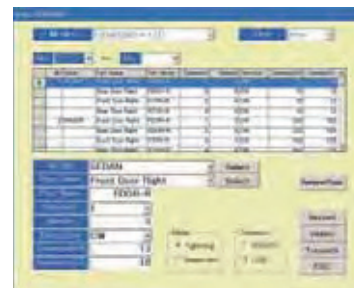
Torque Accuracy	±1%
Portion Registration Memory	Max. 100 parts (Part name, number of screws, tightening direction, high/low torque, measuring order)
Measurement Data Storage	Up to 3,000 screw data (vary depending on parts registered), measurement part name, measured value, pass/fail judgment, measurement time and date)



CEM50N3x12D-P



Display part
Left: Part name, Right: Torque value



CEM3-P application software

Model
CEM10N3x8D-P
CEM20N3x10D-P
CEM50N3x12D-P

Model
CEM100N3x15D-P
CEM200N3x19D-P
CEM360N3x22D-P

Model
CEM500N3x22D-P
CEM850N3x32D-P

Battery Pack (P.45)

Model
BP-5

Quick Battery Charger (P.45)

Model	Description
BC-3-G	100V-240V

Printer (P.65)

Model
EPP16M2

Connecting Cable (P.45)

Part #	Applicable Model
379	CEM2, CEM3, R-DT999 → EPP16M2
575	CEM2, CEM3, R-DT999 → PC (D-sub 9 Pin Female)
584	CEM3, R-DT999 → PC (USB A type)

Data Filing System (P.64)

Model	Media
DFS	CD-ROM

Handy Terminal

HT-S5

Compact data collection device for CEM3-G

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

