

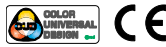
CEM3-G

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 | 999 (M-2 mode: 99 data) |
| | RS232C (2400-19200bps) |
| Communication Functions | Serial output corresponding to a USB connector |
| Power Supply | Ni-MH rechargeable battery |
| Continuous Use | Approx. 20 hrs with fully charged (8 hours by 1 hour recharging) |
| Recharging Time | Approx. 3.5 hours |
| Operation Temperature | 0-40 Celsius no condensation |
| Basic Functions | Peak Hold, Auto memory & resetting, Tightening completion buzzer, Judgment of measured data, Auto zero setting, Auto off (3 minutes), Clock |

- 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 |

Accuracy ±1%

- Note**
- Overall length does not include interchangeable head.
 - For interchangeable head, refer to page 42-45.
 - For infrared data transfer, use with R-DT999 (Refer to page 66).
 - PH (Pipe wrench head) type interchangeable head is not available for this model.
 - CEM500N3x22D-G and CEM850N3x32D-G have knurled handles.
 - For USB data transfer, use with No. 584 connecting cable (Optional).

- Standard Accessories**
- Battery pack (BP-5)
 - QH interchangeable head (Refer to page 44).
 - Quick battery charger BC-3-G (100V-240V).

CEM3-P RoHS

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

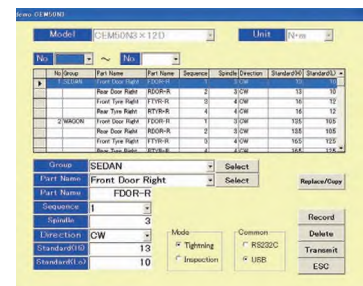
| | |
|-----------------------------|--|
| Torque Accuracy | ±1 % |
| Portion Registration Memory | Max. 100 parts (Part name, number of screws, tightening direction, high/low torque, measuring order) |
| Measurement Data Storage | Up to 3,000 screw data (vary depending on parts registered), measurement 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 |

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



Battery Pack (P.47)

| Model |
|-------|
| BP-5 |

Quick Battery Charger (P.47)

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

Printer (P.67)

| Model |
|---------|
| EPP16M3 |

Connecting Cable (P.47)

| Part # | Applicable Models |
|--------|---------------------------------------|
| 575 | CEM3-G, CEM3-P, R-DT999 → PC, EPP16M3 |
| 584 | CEM3-G, CEM3-P, R-DT999 → PC |

Data Filing System (P.66)

| Model | Media |
|-------|--------|
| DFS | CD-ROM |