

DATA TORK® CEM3

PAT. P

Upgraded Version of CEM Series
Easy to Read Dual LCD/LED Displays
User Friendly Operations
Expanded Data Controls



- Dual LCD/LED Displays
- Time Link to Measured Data
- Up to 999 Measured Data Storage
- Judgment Function Options
- RS232C Output and USB Connectivity
- Data Processing via PC

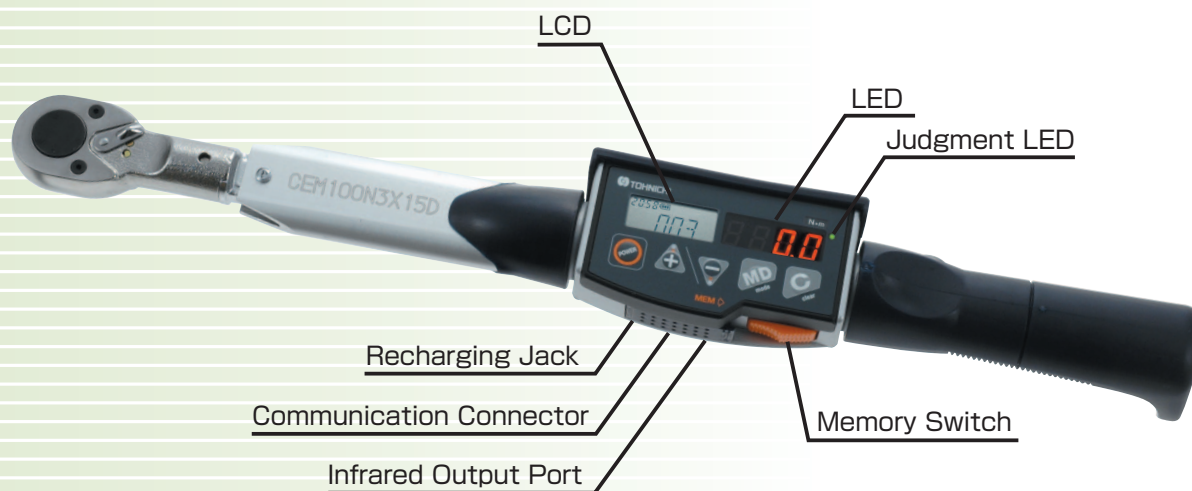
Your Torque Partner





Digital Torque Wrench CEM3

CEM3

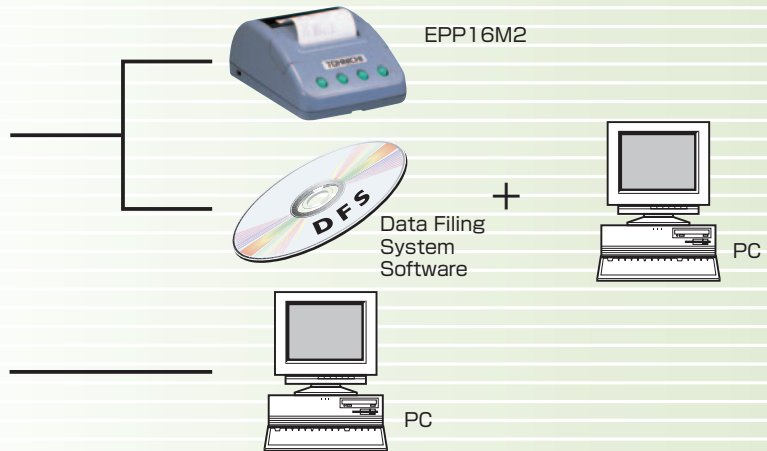


Features

- Dual Displays
 - Switch between power saving LCD and LCD+LED for easy viewing
- Measured Data Linked to Time
 - Clock function adds to advanced data control
- Up to 999 Measured Data Storage
- Judgment Function
 - OK and NG Buzzer plus LED display alerts
- Measurement Data Functions
 - Preset Value Buzzer and Display Alerts
 - Number Count, Max. Value, Min. Value, Average Value
 - Data Transfer for Specific Data Ranges
- Compatible with CEM2
 - Mode to switch between original CEM2 and new CEM3 functions
- Environmentally friendly Ni-MH battery
- Residual Battery Life Indicator
- Expanded Battery Life (30 hrs of continuous use in power saving mode)
- Durable Display with Protective Cover
- Light Weight Aluminum Body Construction
- Handle Design Prevents Overtorquing
 - For Lower Capacity Models
- RS232C Output with optional cable for USB connection
- Expanded Data Processing with PC
- Tightening mode by Judgment function

Operation example

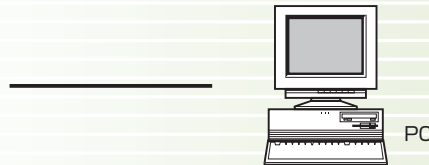
Standard Setup



Special Optional Version Setup



Optional Version with Simple Data Filing Software Functions



Customised Optional Interface

Tightening Control System for Statistical Data Processing

Overview

- DFS Software communicates with Handy Terminal
- Measured torque data taken with DATA TORK CEM3 can be filed according to each model.
- Data Search, Statistical Data Processing, Graphing, Daily/Monthly Reports
- Flexible system with Master File maintenance, transmitting and receiving
- Help menu guidance for quick installation and set up

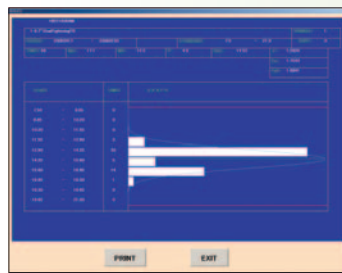
Handy Terminal HT-10



Featured Menu Options

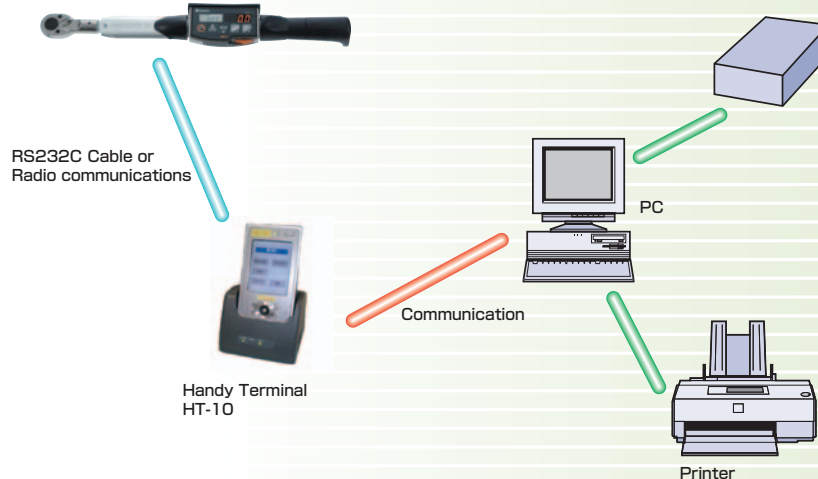
1. Measurement - Recall work ID number and work name, store measured data then press MEM key for automatic judgment
2. Data Search - Seek out missed work ID numbers
3. Import Data - Transfer necessary data such as work ID numbers, work name and other critical information
4. Data Transmission - Transfer measured data to PC for storage and analysis
5. Delete - Remove old or unnecessary work ID number, work names and other Master File data

Statistic data processing

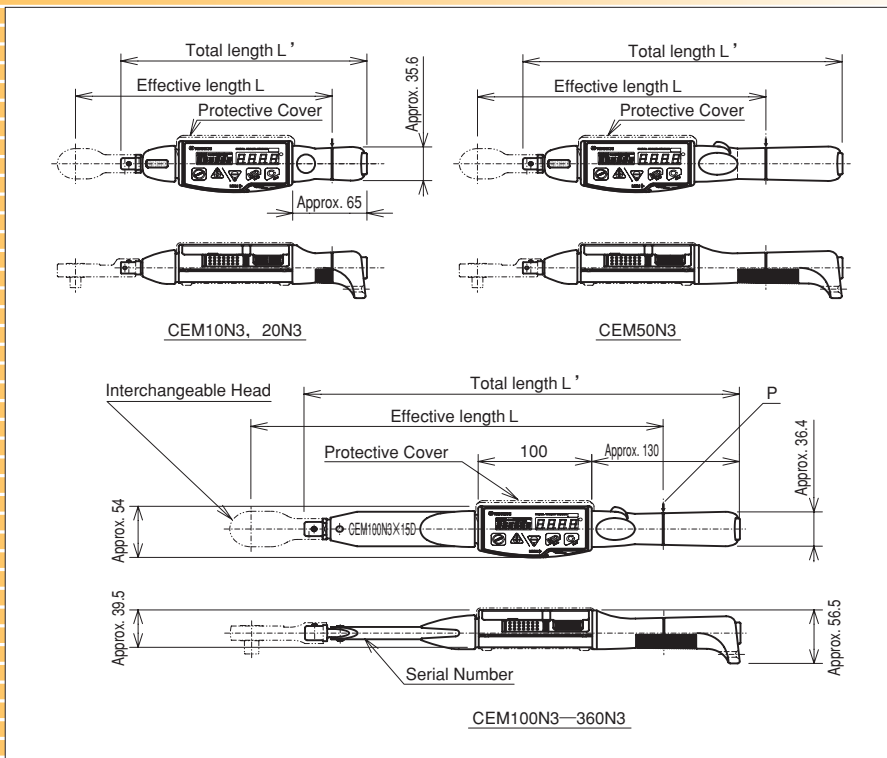


Digital Torque Wrench DATA-TORK CEM3

Hard Disc for Backup

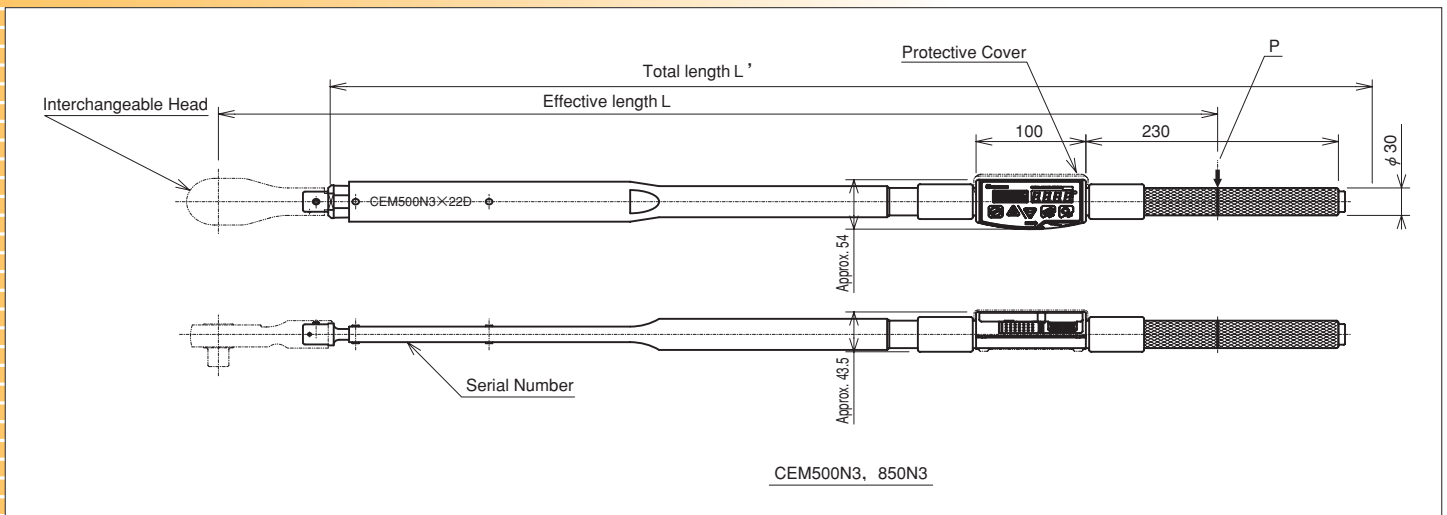


Specification



CEM3	
Accuracy	1% ± 1 digit
Display (Torque value)	7 segments LED 4 lines※
(Counter)	14 segments LCD 3 lines※
Digit Height (Torque value)	10.16mm※
(Counter)	7mm※
Number of Data Memory	999
Basic Functions	Peak Hold
	Peak Data Memory
	Run Mode
	Auto Memory & Resetting
	Auto Zero setting
	Auto Off (3 min)
Communication Functions	Over Torque Alarm
	Clock
Communication Functions	RS232C (2400-19200bps)
	Serial output corresponding to a USB connector
Battery Life Indicator	Available
Power Supply	Ni-MH rechargeable battery
Continuous Use	Approx 30hrs (Power saving mode)
Recharging Time	Approx. 3.5hours
Communication Mode Switch	Key Operation

※LCD+LED mode



Model	Standard		-M		-A				Max force [N]	Dimension		Weight [kg]	Accessories	Interchangeable Head
	MIN-MAX.	1 digit	MIN-MAX.	1 digit	English					Effective length [mm]	Total length [mm]			
			kgf·cm	1 digit	MIN-MAX.	1 digit	MIN-MAX.	1 digit						
CEM10N3X8D	2-10	0.01	20-100	0.1	lbf-in	lbf-in	lbf-ft	lbf-ft	48.1	208	212	0.46	QH8D Battery Charger BC-3-100 100V or	(SH,RH,QH,HH)8D
CEM20N3X10D	4-20	0.02	40-200	0.2	36-180	0.2			92.2	217	214	0.47		(SH,RH,QH,DH,HH)10D
CEM50N3X12D	10-50	0.05	100-500	0.5	100-450	0.5			196.9	254	282	0.58	QH12D QH15D	(SH,RH,QH,RQH,DH,HH)12D
CEM100N3X15D	20-100	0.1	200-1000	1	200-900	1	15-75	0.1	275.5	363	384	0.63		(SH,RH,QH,RQH,DH,HH)15D
CEM200N3X19D	40-200	0.2	400-2000	2			30-150	0.2	428.3	467	475	0.78	QH19D QH22D	(SH,RH,QH,RQH,DH,HH)19D
CEM360N3X22D	72-360	0.4	720-3600	4			52-260	0.4	498.6	722	713	1.13		(SH,RH,QH,RQH,DH,HH)22D
CEM500N3X22D	100-500	0.5	kgf·m 10-50	0.05			72-360	0.5	549.5	910	949	4.00	BC-3-200 220V	(SH,RH,QH,RQH,DH,HH)22D
CEM850N3X32D	170-850	1	17-85	0.1			124-620	1	608	1398	1387	5.14		QH32D

Note : Metric model is named "-M", e.g. CEM10N3X8D-M for 20-100kgf-cm.
English model is named "-A", e.g. CEM20N3X10D-A for 36-180lbf-in.



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