

CD5

Compact Display



- Digital
- Sensor Contacts
- Direct Reading
- Comparator
- Judgment

- Digital display for Tohnichi's torque sensor, strain gauge, products
- Adapted the Black Mask LCD making 3 different colored displays
- OK or NG judgment capability with upper or lower limit setting function

Model
CD5

CD5 Optional Accessories

Printer

Model
EPP16M3

Data Filing System

Model	Media
DFS	CD-ROM

Connecting Cable (P.46)

Part #	Applicable Model	Plug
383	CD5 - PC, EPP16M3	D-SUB 9 Pin Female

CD5 Specifications

Display	Negative type liquid crystal
Resolution	±1/5000 (±1.0 to ±3.0mV/V) ±1/2000 (±0.5 to ±1.0mV/V) 1/2000 (+0.1 to +3.0mV/V)
Input Voltage	±3.0mV/V
Accuracy	Nonlinearity ±0.05% F.S. Zero point drift ±0.1µV/°C (TYP.) Gain drift ±0.01%/°C (TYP.)
Calibration Methods	Equivalent input calibration Calibration by actual weight Calibration using sensor-equipped torque wrench
Data Memory	1000 readings
External Input	RESET/COMP/CLEAR/CHSW
Communication	RS232C compliant, Analog output, HI, OK, LO relay output
Power	AC100-240V±10%
Operating Temperature	0-40 °C
Dimension	150W × 190D × 94H
Weight	approx. 1.8 kg

R-DT999

Data Tank

- Auxiliary
- Infrared Input
- RS232C Data Output

- Infrared data collector for torque equipment
- 999 data storage
- External keypad setup functions



R-DT999

Model
R-DT999

R-DT999 Optional Accessories

Printer

Model
EPP16M3

Data Filing System

Model	Media
DFS	CD-ROM

Connecting Cable (P.46)

Part #	Applicable Model	Plug
575	R-DT999 - PC, EPP16M3	D-SUB 9 Pin Female
584	R-DT999 - PC	USB A Type

Note Contact Tohnichi for other types of connector shapes.

R-DT999 Specifications

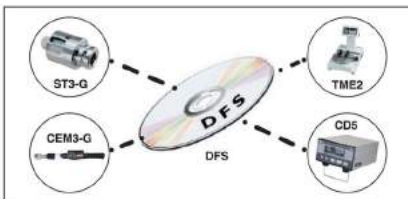
Data Input	Infrared data input (Tohnichi format only)
Display	6 digits, 14segments LCD 4 digits, 7segments LCD 4 digits, 7segments LED
Applicable Model	CEM3-G, CEM2, ST, ST2, STC, CTA, CTB
Data Output	RS232C compliance, USB connector serial output (*USB 1.1)
Power	DC5V 2A
Dimensions	W80 × D125 × H32mm
Standard Accessories	AC adapter (100-240V±10%)
Operating Temperature	0-40 °C
Weight	205g (body only)

DFS

Data Filing System/

- Auxiliary
- CD

- Data processing software
- Statistics, Standard deviation, Cp values, Charts



Maximum value, minimum value, data range, mean value, standard deviation and Cp value are calculated to make a histogram on the display.

Model
DFS

Connecting Cable to PC (P.46)

Part #	Applicable Model	Plug
575	CEM3-G, CTA2-G, CTB2-G, R-DT999 - PC, EPP16M3	D-SUB 9 Pin Female
584	CEM3-G, CTA2-G, CTB2-G, R-DT999 - PC	USB A Type
383	DOT3-G, LC3-G, TME2, TDT3-G - PC, EPP16M3	D-SUB 9 Pin Female
384	ST3-G, ATGE-G, BTGE-G - PC	USB A Type

Note Contact Tohnichi for other types of connector shapes.

EPP16M3 Printer



EPP16M3

 Auxiliary **RS232C Data Input**
RoHS

- Printer for digital torque equipment
- Terminal Line Dot printing

EPP16M3 Specifications

Printed Method	Thermal Line Dot
Total Dot	384 dots
Dots per inch	203 dpi (8dot/mm)
Printing Capacity	32
Number of Dots for Character	12 × 24
Character Size	1.5 × 3.0 mm
Paper Width/Print Span	58 / 48 mm
Thermal Paper Outer Diameter	φ50 mm
Max Printing Speed	80 mm/sec.
Power AC	100 - 240V ± 10% 50/60Hz
Operating Temperature	0 ~ 40 °C
Humidity [%RH]	Under 85 (No condensation)
Weight	approx. 0.27 kg

EPP16M3 Optional Accessories

Roll Paper

Part #	Description
1408	Roll Paper

Connecting Cable

Part #	Applicable Model	Plug
383	NOTE3-G/LC2/LC3-G/CD5/TDT2/TDT3-G/TME2	D-SUB 9 Pin Female
561	LC/TDT/CD42/TCC	
575	CEM3-G/CEM3-P/CTA2-G/R-DT999/CTB2-G	
579	CTA/CTB	

DECA 10:1 Ratio Torque Multiplier



DECA900N

Universal Arm

 Auxiliary **Straight** **Rotary**
RoHS

- Multiplied torque output increases by 10 times
- Ideal for applying high torque values with less force

Accuracy ±5%

Model	Output Torque			Torque Ratio	Dimension [mm]				Weight [kg]	Applicable Universal Arm
	[N·m] Min.-Max.	[kgf·m] Min.-Max.	[lbf·ft] Min.-Max.		Overall Length	Dia.	Output Sq. Drive	Input Drive		
DECA450N	90-450	9-45	65-325	10:1	195	52	19.0	9.5	2	UA450N
DECA900N	180-900	18-90	130-650		541	63			3.4	UA900N
DECA1800N	360-1800	36-180	260-1300		270	78	25.4	12.7	5.7	UA1800N
DECA3000N	600-3000	60-300	434-2170		324	95	31.75		10	UA3000N
DECA4500N	900-4500	90-450	650-3250		367	110	38.1	19.0	12.5	UA4500N
DECA9000N	1800-9000	180-900	1300-6500		464	140	50.8		34	UA9000N
DECA18000N	3600-18000	360-1800	2600-13000		540	172	63.5	25.4	60	UA18000N

Note
 1. Universal Arm is optional.
 2. DECA9000N and DECA18000N are supplied on request.

Standard Accessories
 1. Metal Case (for DECA450N-DECA900N only)
 2. Portable Handle (for DECA4500N-DECA9000N only)
 3. Metal Case Caster (for DECA18000N only)

AP2/DECA Optional Accessories



SA

UA

SA Shell Arm

- Light weight reaction arm

RoHS

Model	Standard Socket Length [mm]	Max. Torque [N·m]
SA400N	50	400
SA700N	62	700
SA1200N	62	1200

UA Universal Arm

- Heavy duty reaction arm

RoHS

Model	Max. Torque [N·m]	Weight [kg]
UA450N	450	1.2
UA900N	900	2.6
UA1800N	1800	4
UA3000N	3000	7.2
UA4500N	4500	10.9
UA9000N	9000	18
UA18000N	18000	30

Note
 UA4500N/9000N/18000N are supplied on request.

Adapter for Torque Wrench Tester



Down Adapter

Ratchet Adapter



DA Down Adapter for Torque Wrench Testers

- Compact adapter to reduce the size of square drive

RoHS

Model	Part #	Dimensions [mm]				Capacity [N·m]	Weight [g]
		Square Drive (Male)	Square Drive (Female)	Height	Outside Dia.		
DA3-2	296	9.5	6.35	12	13	14	5
DA4-3	297	12.7	9.5	15	16	70	11
DA6-4	298	19.0	12.7	19	28	220	34
DA8-6	299	25.4	19.0	26	35	750	66
DA12-8	300	38.1	25.4	44	55	2100	320

RA2 Ratchet Adapter for Torque Wrench Testers

- Rotates wrench to proper testing position on tester
- Gear action 3.75

RoHS

Model	Dimensions [mm]				Capacity [N·m]	Weight [kg]
	Sq. Drive (Male)	Sq. Drive (Female)	Height	Outside Dia.		
RA3mk2	9.5	9.5	37.3	55	70	0.28
RA4mk2	12.7	12.7	52.5	70	220	0.6
RA6mk2	19	19	69.3	115	850	2.3
RA8mk2	25.4	25.4	92.8	161	2100	6.3
RA12	38.1	38.1	111	234	3000	12.6

EVERTORQUE

Lubricant for repair

RoHS


- For repairs of torque wrenches and torque screwdrivers

Model	Part #
EVERTORQUE	830

Evertorque Application List

	Applicable Model	Applicable Part
Click Type Torque Wrench	QL/QLE/CLE/PQL/PCL/YCL	Thrusting; Steel Ball Scale Piece, Adjusting Screw, Thread
	WQL	Thrusting; Steel Ball Scale Piece, Adjusting Screw, Thread, Knob, Protector, Joint
	MPQL	Thrusting; Steel Ball Scale Piece, Adjusting Screw, Thread, Ratchet, Marker Pipe, Joint
Click Type Torque Screwdriver	RTD, RNTD	Main Shaft, Toggle Sheet, Serration
	RTD, LTD, BMLD	Case, Adjusting Piece, Serration
Semi-Automatic Airtork	AVAC	Thrusting; Steel Ball Scale Piece, Adjusting Screw, Thread
Fully-Automatic Airtork	AP, AS	Reduction Clutch; Clutch
Multiple Unit	MC, ME, DCME	