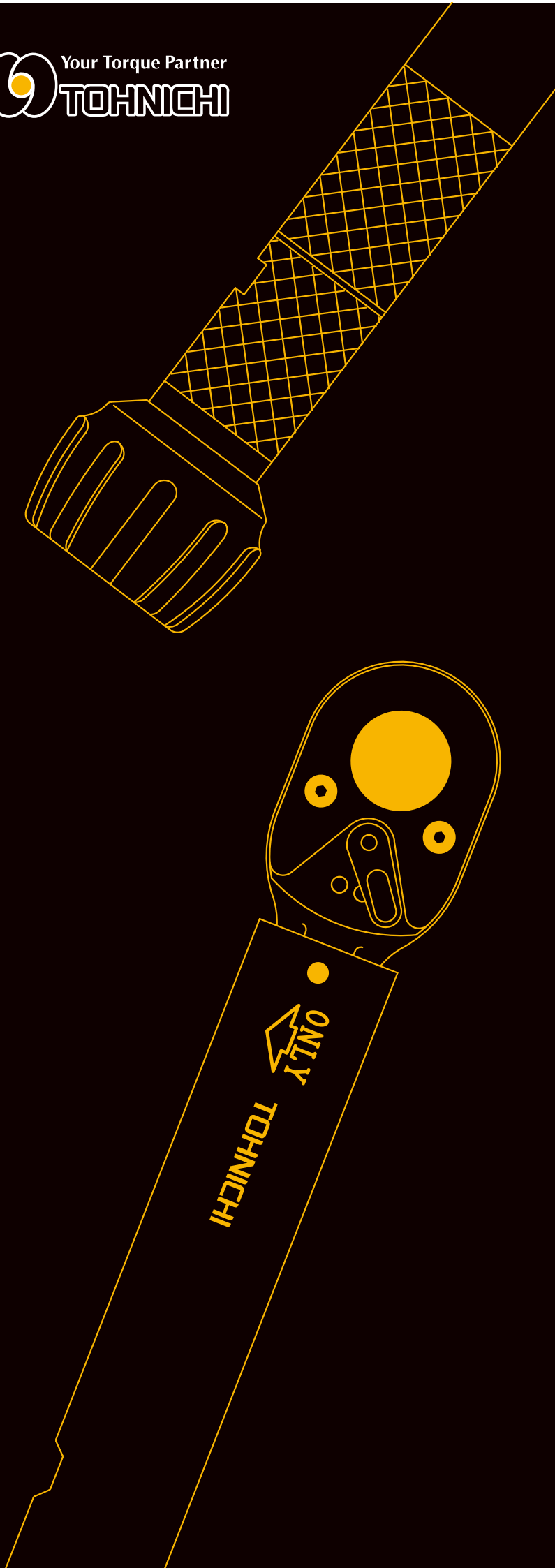


# 2023

## Reference Guide



### ***New Products***

***CSP6D Interchangeable Preset Torque Wrench***

*Compact design with high precision for limited access*

***QH6D and SH6D Interchangeable Head***

*Designed for CSP6D with compact slimline dimensions*

***DOTE10N4-G: Digital Torque Wrench Tester***

*New loading mechanism for highly accurate measurements*

Scan QR Code for latest online information  
<http://www.global-tohnichi.com>



# NOTE4-G

Digital Torque Wrench Tester

Calibration

Digital

Manual Handle

Direct Reading

RoHS

Direction



- Multiple units of measure through keypad setup
- "Loading system" stabilizes wrench during calibration procedure for optimal results.
- RS232C and USB output
- Max. 1000 measured data can be stored.



NOTE10N4-G



NOTE100N4-G



NOTE1000N4-G



Model	Torque Range												Torque Wrench Max. Effective Length [mm]	Inlet Drive [mm]	Weight [kg]	Down Adapter		Hex Adapter
	cN-m		N-m		kgf-cm		kgf-m		lbf-in		lbf-ft					Part #	[mm]	[mm]
	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit						
NOTE10N4-G	20.0-1000.0	0.1	0.2000-10.000	0.001	2.00-100.00	0.01	-	-	2.00-88.00	0.01	-	-	255	6.35	7	-	-	
NOTE20N4-G	200.0-2000.0	0.2	2.000-20.000	0.002	20.00-200.00	0.02	-	-	18.00-180.00	0.02	-	-		9.5		296 (P.68)	10, 13, 19	
NOTE50N4-G	-	-	5.00-50.00	0.005	50.0-500.0	0.05	-	-	44.0-440.0	0.05	3.60-36.00	0.005	410		12	6.35	12, 14, 17	
NOTE100N4-G	-	-	10.00-100.00	0.01	100.0-1000.0	0.1	-	-	88.0-880.0	0.1	7.30-73.00	0.01		12.7		277 (P.44) 6.35 297 (P.68) 9.5	17, 22, 27	
NOTE200N4-G	-	-	20.00-200.00	0.02	200.0-2000.0	0.2	-	-	170.0-1700.0	0.2	15.00-150.00	0.02	660		13	-	19, 24, 30	
NOTE500N4-G	-	-	50.0-500.0	0.05	-	-	5.00-50.00	0.005	440-4400	0.5	36.0-360.0	0.05	1020	19.0	47	-	22, 27, 29 30, 32, 36	
NOTE1000N4-G	-	-	100.0-1000.0	0.1	-	-	10.00-100.00	0.01	880-8800	1	73.0-730.0	0.1	1750	25.4	49	299 (P.68) 19.0	36, 46 41, 50	

Accuracy ±1%+1digit

- Note
1. Auto-zero adjustment function.
  2. Statistical function includes the number of sampling, max/min/mean values.
  3. AC Adapter BA-6 (AC100-240V+/-10%) comes with

### NOTE4-G Optional Accessories

#### Hex Adapter

Part #	Size [mm]
285	3/8-7-8-9
286	1/2-16-18-21
287	1/2-17-22-27
288	1/2-19-24-30

#### Connecting Cable (P.50)

Part #	Applicable Model
383	NOTE4-G - PC, EPP16M3 (D-SUB 9 Pin Female)
385	NOTE4-G - PC (USB A-Type)

- Note
1. ( ) shows pin shape of the connecting cables.
  2. Contact Tohnichi for other types of connecting cables.

#### Printer (P.69)

Model
EPP16M3

#### Data Filing System (P.69)

Model
DFS

# DOT

Analog Torque Wrench Tester

Calibration

Dial Indicating

Manual Handle

Direct Reading

RoHS

Direction



- Dial indicating
- For clockwise testing
- Mechanical loading device



DOT100N

S.I. Model	Torque Range [N-m]		Metric Model	Torque Range [kgf-cm]		American Model	Torque Range [lbf-in/lbf-ft]		Torque Wrench Max. Effective Length [mm]	Inlet Drive [mm]	Weight [kg]	Standard Accessory	
	Min.-Max.	Grad.		Min.-Max.	Grad.		lbf-in	lbf-ft				Down Adapter (Female) [mm]	Hex Adapter (Male) [mm]
DOT35N	5-35.0	0.1	350DOT	50-350	1	DOT300I	50-300	1		9.5	8	#296 (6.35)	10, 13, 19
DOT50N	5-50.0	0.2	500DOT	50-500	2	DOT430I	50-430	2	410			#277 (6.35), #297 (9.5)	12, 14, 17
DOT100N	10-100.0	0.5	1000DOT	100-1000	5	DOT1000I	100-1000	5		12.7			
							lbf-ft	lbf-ft					
DOT300N	30-300	1	3000DOT	300-3000	10	DOT200F	20-200	1	660	19	10	-	17, 22, 27 19, 24, 30
DOT700N	70-700	2	7000DOT	700-7000	20	DOT500F	50-500	2	1260		25	-	22, 27, 29 30, 32, 36

Accuracy ±2%

Note Measurement for clockwise direction only.

### ◆ Calibration Kit for NOTE4-G/DOT

\* Sold separately. Refer to page 63.



# DOTE4-G-MD2

Direction

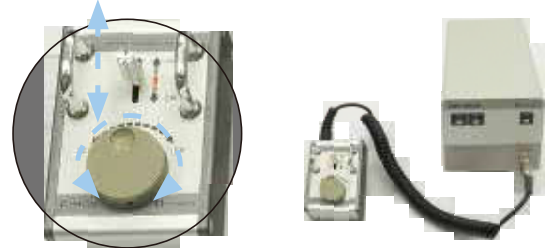


Digital Torque Wrench Tester with Motor Driven Loader

- Suitable for large volume of calibrations
- Control loader with motor drive
- Motor drive can be retrofitted to DOTE4-G tester



DOTE500N4-G-MD2



Controller unit with speed adjusting and inching function

## DOTE4-G-MD2

Complete Tester with Motor Drive Set

Model
DOTE20N4-G-MD2
DOTE50N4-G-MD2
DOTE100N4-G-MD2
DOTE200N4-G-MD2
DOTE500N4-G-MD2
DOTE1000N4-G-MD2

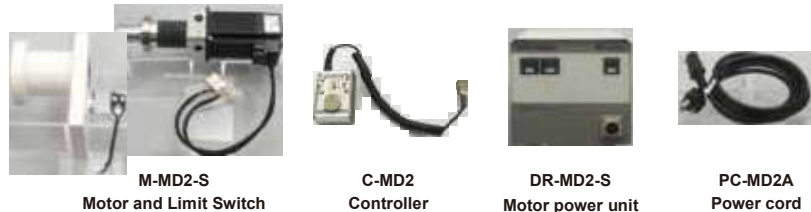
Note  
Select the plug shape A or C type when ordering.

## MD2-SET

Retrofit Motor Driven Unit

Model	Construction unit				Applicable Model
	Motor Unit w/Limiter	Controller Unit	Power Unit	Power Cord	
MD2-SET-SA MD2-SET-SC	M-MD2-S	C-MD2	DR-MD2-S	PC-MD2A PC-MD2C	DOTE20N4-G to 200N4-G
MD2-SET-LA MD2-SET-LC			DR-MD2-L	PC-MD2A PC-MD2C	

Note  
1. PC-MD2A come with A type plug for 100 - 125V.  
PC-MD2C come with C type plug for 100 - 240V.



M-MD2-S  
Motor and Limit Switch

C-MD2  
Controller

DR-MD2-S  
Motor power unit

PC-MD2A  
Power cord

### ◆ Calibration Kit for DOTE4-G

\* Sold separately.  
Refer to page 63-64.

# TCC2-G

Digital Torque Wrench Tester

Direction



## TCC2-G Standard Accessories

Model	Hex Adapter	Down Adapter	Others
TCC100N2-G	<input type="checkbox"/> 12.7-W10, 13, 19	DA3-2 DA4-3	(1) Cradle for PC display (2) AC adapter for PC display (3) Power cable
TCC100N2-D-G	<input type="checkbox"/> 12.7-W12, 14, 17	DA4-3	
TCC500N2-G	<input type="checkbox"/> 12.7-W10, 13, 19	DA4-3 DA6-4	
	<input type="checkbox"/> 12.7-W12, 14, 17 <input type="checkbox"/> 19.05-W17, 22, 27 <input type="checkbox"/> 19.05-W19, 24, 30		
TCC1000N2-G	<input type="checkbox"/> 19.05-W17, 22, 27	DA6-4 DA8-6	
	<input type="checkbox"/> 19.05-W19, 24, 30		
	<input type="checkbox"/> 25.4-W36, 46 <input type="checkbox"/> 25.4-W41, 50		

Note Refer to page 64.

Calibration Digital Manual Handle Direct Reading

- Torque calibrator with data management software with wide torque range
- Calibration, adjustment, and data management for torque wrenches
- Multiple measuring unit
- Controlled by Tablet PC

Model	CH	Torque Range [N·m]		Torque Range [kgf·cm]		Torque Range [lbf·in]		Torque Wrench Max. Effective Length [mm]	Inlet Drive [mm]	Dimensions [mm]			Weight [kg]
		Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit			Overall Length	Width	Height	
		TCC100N2-G	1	4-100	0.01	40-1000	0.1			35.5-885	0.1	575	
	2	1-25	0.002	10-250	0.02	9-220	0.02	482	9.53				
TCC100N2-D-G	1	4-100	0.01	40-1000	0.1	35.5-885	0.1	575	12.7	714	388	375	35
	2	20-600 cN·m	0.05 cN·m	2-60	0.005	2-50	0.005	482	6.35				
TCC500N2-G	1	20-500	0.05	200-5000	0.5	180-4400	0.5	1035	19.05	1206	502	430	75
	2	4-100	0.01	40-1000	0.1	36-880	0.1	769	12.7				
TCC1000N2-G	1	50-1000	0.1	500-10000	1	445-8800	1	1700	25.4	1906	574	526	115
	2	20-500	0.05	200-5000	0.5	180-4400	0.5	1212	19.05				

Accuracy ±1%+1digit

## TCC2-G Specifications

Display	10 inch Tablet PC
Tool Management Function	Torque wrench/driver registration date, measurement date memory (model, serial number, measurement point, measurement count, accuracy level, channel, measurer, past record) Maximum data amount (1000pcs worth) is based on testing torque wrenches of single force direction. When testing bi-direction torque wrenches such as BQSP, it will be less than 1000pcs)
Measurement Mode	Click mode / direct reading mode / manual mode
Zero Adjustment	Automatic (press C key)
Operating Temperature	0 ~ 40 °C
Power	100 ~ 240V 50/60Hz

### ◆ Calibration Kit for TCC2-G

\* Sold separately. Refer to page 63.

