

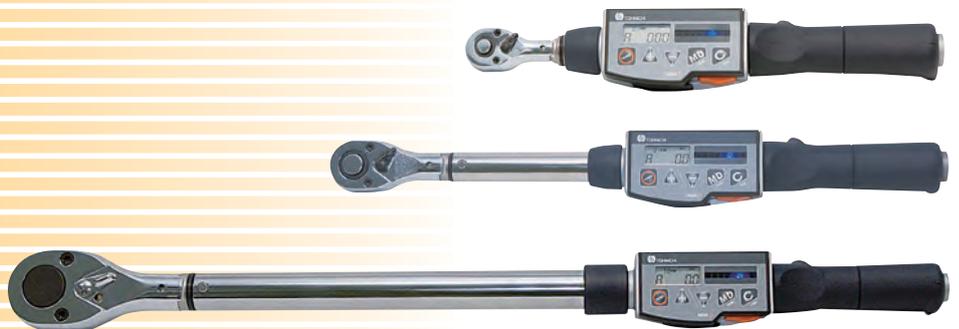
PRO TORK™

CPT-G (Global model)

PAT. PEND

The tightening process is simplified with visual confirmation of the applied torque

Torque Tightening with Digital Precision
PRO TORK



- Highly responsive torque sensor for precise application of tightening torque
- 10 different target torque values can be programmed and easily recalled by alphabetic registration ID
- LED indicator allows the user to follow the changing torque values
- Multiple units of measure (SI, Metric, American) setup capabilities
- 50 data memory capacity with RS232C output
- Accuracy $\pm 3\%$ of indicated value, CW & CCW measurement, Power source: 2 x AA batteries



- Several different tightening modes available to cater to a variety of applications. Quick and accurate tightening while preventing errors.

Modes include:

[Preset Tightening Mode](#), [Judgment Tightening Mode](#), [Peak/Run Modes](#)

* Retightening/loosening torque is performed in the Peak Mode.

Preset Tightening Mode: Allows user to set the target torque with specific % of torque allowable beyond target, then the red LED moves towards the right to indicate the level of the applied torque. When it reaches the target torque range, the blue LED blinks and the buzzer signals tightening completion.

Judgment Tightening Mode: Allows user to set judgment ranges for lower/upper limit in the tightening operation. Upon tightening completion a judgment is made as torque value is stored in the memory.

- Equipped with bright LED lamp**
Bright LED lamp indicates the current torque level against the target torque, which enables a precise application in the tightening operation.
- Multiple unit of measure selection**
5 changeable units of measure through keypad setup, including N·m, kgf·cm, kgf·m, lbf·in, and lbf·ft.
- Data Memory, Torque Set Registration and Output functions**
Up to 50 torque measurements can be saved as well as up to 10 different target torque or judgment range registrations. By selecting the registered torque setting (indicated alphabetically as A-J), you have the flexibility to work on several different tightening applications with ease. The stored data can be transferred to PC with RS232C cable (optional).
- TQH Ratcheting Square Drive Head ideal for tight spaces**
72 teeth ratchet with 5 degrees of operation,
Push release socket lock function
* For CPT20x10D-G-SET to CPT200x19D-G-SET (4 Models).

Note:

TQH22D for CPT280x22D-G-SET has 24 teeth without push release socket lock function.

TQH heads are contained only when 72 teeth ratchet head purchasing the "Set" model version. (TQH15D)



"Set" Models (including Accessories)

Accuracy ±3%

Model	Standard Accessories				
	Ratchet Head Model	Sq. Drive [mm]	Battery	Storage Case	Product Box
CPT20x10D-G-SET	TQH10D	9.5	AA Alkaline Battery (2pcs)	Small	Small
CPT50x12D-G-SET	TQH12D				
CPT100x15D-G-SET	TQH15D	12.7		Large	Large
CPT200x19D-G-SET	TQH19D				
CPT280x22D-G-SET	TQH22D	19.0			

Note. Recommendation: Use 2xAA Ni-MH batteries for longer continuous use.

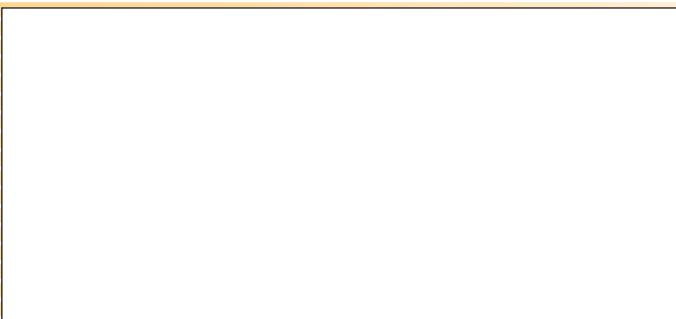
How to Order

[Ex. 1] CPT100x15D-G-SET

* "Set" model version (with standard accessories)

[EX. 2] CPT200x19D-G

* "Torque Wrench Only" version (without standard accessories)



Display example 1: Preset Tightening Mode (Red LED shows the level of the applied torque)



Display example 2: Judgment Tightening Mode (As torque is being applied prior to completion)



Display example 3: Judgment Tightening Mode (The case of exceeding target torque range)

Common Specifications



Accuracy	±3% of indicated value
Tightening Direction	Clockwise/Counter clockwise
Display/Character Height	14 segment LCD 6 digits/7mm 7 segment LCD 4 digits/3mm
Battery Life Indicator	4 steps
Number of Data Memory	50
Torque Setting Memory	Preset Tightening mode: 10 torque values to register Judgment Tightening mode: Up to 10 values of each Upper/Lower/Tightening direction
Basic Function	Auto power off (3 minutes) Auto memory/Reset Auto zero Over torque alarm
Power	AA battery x 2pcs
Continuous Use	Approx. 40 hours
Temperature in Use	0-40 Celsius below 85%RH (no condensation)

"Torque Wrench Only" Models

Accuracy ±3%

Model	Torque Range										Overall Length [mm]	Weight [kg]					
	[N·m]		[kgf·cm]		[kgf·m]		[lbf·in]		[lbf·ft]								
	Min.	Max.	Grad.	Min.	Max.	Grad.	Min.	Max.	Grad.	Min.	Max.	Grad.					
CPT20x10D-G	4	20	0.02	40	200	0.2	0.4	2	0.002	36	180	0.2	3	14.5	0.02	280.5	0.63
CPT50x12D-G	10	50	0.05	100	500	0.5	1	5	0.005	100	440	0.5	7	36	0.05	282.5	0.65
CPT100x15D-G	20	100	0.1	200	1000	1	2	10	0.01	200	880	1	15	73	0.1	384.5	0.85
CPT200x19D-G	40	200	0.2	400	2000	2	4	20	0.02	360	1700	2	30	150	0.2	475.5	1.37
CPT280x22D-G	56	280		560	2800		5.6	28		500	2400		42	200		591.5	1.76

- Note 1. "Torque Wrench Only" version is provided in basic carton product box and does not include TQH Head, Batteries, Storage Case, or Product Box.
 2. "Overall Length" does not include the length of interchangeable head TQH.
 3. "Weight" does not include the weight of interchangeable head TQH and batteries.
 4. Approx. 230 different types of interchangeable heads are available and sold separately. Refer to Tohnichi's Torque Handbook or Product Catalog for additional information.

Storage Case (For "Set" model only)



CPT-G Optional Accessories

PC Connecting Cable

Part #	Applicable Model
585	CPT-G → PC (D-Sub 9 Pin Female)



Data Processing Software

Model	Media
EXCEL RECEIVER	CD-ROM



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