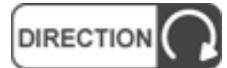


# CTA-P



**Production version designed for applications where snug torque is applied first on multiple bolts followed by the final angle application. Includes software package to assist with programming wrench.**



Accuracy  $\pm 1\% + 1$  digit

Model	Angle Measuring Range		Angle Accuracy	Torque Range		Hand Force at Max Torque Range	Effective Lgth.	Overall Lgth.	Weight approx	Standard Accessories	Interchangeable Heads	
	Min.-Max.	Grad.		Min.-Max.	Grad.							N
CTA50 X 12D-P	0°-999°	1°	$\pm 2^\circ + 1$ digit (Angular velocity is 30°/s-180°/s when the bolt turned to 90°)	(2.5) 10-50	0.05	152	329	360	0.7	QH12D	(SH,RH,QH,RQH, HH, DH, FH) 12D	
CTA100 X 15D-P				(5) 20-100	0.1	244	409	433	0.8	QH15D	(SH,RH,QH,RQH, HH, DH, FH) 15D	
CTA200 X 19D-P				(10) 40-200	0.2	409	489	500	1.1	QH19D	(SH,RH,QH,RQH, HH, DH, FH) 19D	
CTA360 X 22D-P				(18) 72-360	0.4	481	749	743	1.6	QH22D	Quick Battery Charger (QC-1)	(SH,RH,QH,RQH, HH, DH, FH) 22D
CTAE500 X 22D-P				(25) 100-500	0.5	549	910	912	3.5			
CTAE850 X 32D-P				(43) 170-850	1	608	1398	1383	4.9	QH32D	(SH,RH,QH)32D	

Metric and American models are available upon request.

## NOTE

1. The numbers in ( ) are the possible lowest setting snug torque value.
2. Accuracy of snug torque below min. torque value of torque range is not guaranteed.
3. Overall length does not include interchangeable head.
4. Interchangeable heads other than provided QH heads are optional.
5. PH type interchangeable head is not available for this model.
6. Not for inspection purpose.

## Common Specification

MEMORY	Max. 12 blocks (20 data/block) of data can be for each value of tightening torque, primary angle, secondary angle, tertiary angle and final tightening torque.
MEASUREMENT MODE	PEAK/RUN (Angle, Torque)
DATA OUTPUT	Based on RS232C
ZERO ADJUSTMENT	Auto Zero function (Angle, Torque)
POWER SOURCE	Ni-cd battery
CONTINUOUS USE [h]	8
BATTERY CHARGE [h]	1
OPERATING CONDITION [°c]	Temperature 0 ~ 40
OTHER FUNCTIONS	Setting Snug torque value, Tightening torque value, Tightening torque upper limit value, Primary, Secondary, and tertiary angle, Primary, Secondary, and tertiary angle upper limit value, Number of tightening bolt, Auto reset, Data output, NG management, Yes-No decision function. Transmission from PC of setting data. Auto power off (after 20 min.), Battery checker


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