

# TORQUE WRENCH

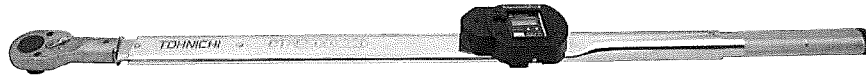
## CTA/CTA-P DIGITAL TORQUE AND ANGLE WRENCH



Torque and Angle can be Set and Verified on Display.



CTA



CTA-E

MODEL	ANGLE MEASURING RANGE		ANGLE ACCURACY	OVERALL LENGTH mm	WEIGHT Approx. kg	TOHNICHI HEAD SIZE	CAPACITY								MODEL		
	MIN.-MAX.	1 DIGIT					N.M		KGF.CM		LBF.IN		LBF.FT				
							MIN.-MAX.	1 DIGIT	MIN.-MAX.	1 DIGIT	MIN.-MAX.	1 DIGIT	MIN.-MAX.	1 DIGIT			
CTA50×12D				360	0.7	12D	( 2.5 ) 10~50	0.05	100~500	0.5	100~450	0.5					CTA50×12D-P
CTA100×15D			±2'+1digit Angular Velocity is 30°/s ~180°/s when the bolt is turned to 90°	433	0.8	15D	( 5 ) 20~100	0.1	200~1000	1	200~900	1			15~75	0.1	CTA100×15D-P
CTA200×19D	0~999°	1°		500	1.1	19D	( 10 ) 40~200	0.2	400~2000	2					30~150	0.2	CTA200×19D-P
CTA360×22D				743	1.6	22D	( 18 ) 72~360	0.4	720~3600	4					52~260	0.4	CTA360×22D-P
CTAE500×22D				912	3.5	22D	( 25 ) 100~500	0.5	100~5000	5					72~360	0.5	CTAE500×22D-P
CTAE850×32D				1383	4.9	32D	( 43 ) 170~850	1	1700~8500	10					124~620	1	CTAE850×32D-P

Accuracy ± 1% + 1 digit

CTA-P

MEASUREMENT DIRECTION	Clockwise Only
DISPLAY	LCD Display, Counter : 3mm and Angle/Torque : 7mm
DATA MEMORY	TORQUE and ANGLE
MEASUREMENT METHOD	PEAK/RUN on both angle and torque measurement
DATA OUTPUT	RS232C, I/F infrared ray
ZERO ADJUSTMENT	Auto zero function on both angle and torque measurement
OTHER FUNCTION	Auto-power off and auto-memory, Battery Check
POWER SOURCE	Ni-Cd battery
CONTINUOUS USE	8 hours
BATTERY CHARGE	1 hour
OPERATING CONDITION	0~40°C

MEASUREMENT DIRECTION	Clockwise Only
DISPLAY	LCD Display, Counter : 3mm and Angle/Torque : 7mm
DATA MEMORY	Tightening Torque, primary Angle, Secondary Angle, tertiary Angle and final Torque.
MEASUREMENT METHOD	PEAK/RUN on both angle and torque value
DATA OUTPUT	RS232C, I/F infrared ray
ZERO ADJUSTMENT	Auto zero function on both angle and torque measurement
OTHER FUNCTION	Auto-power off, battery check
POWER SOURCE	Ni-Cd battery
CONTINUOUS USE	8 hours
BATTERY CHARGE	1 hour
OPERATING CONDITION	0~40°C

Note 1 : The number in parenthesis is the possible lowest setting snug torque value, not guaranteed 3% accuracy.

Note 2 : Overall length is without head.

Note 3 : QH head is provided. Other interchangeable heads are sold separately.

Note 4 : PH interchangeable heads can not be used with this series.

Note 5 : Refer page 24 for CTA optional accessories.

Note 6 : Please specify desired scale, S.I., Metric or Imperial, when ordering.

### BATTERY PACK

MODEL	DESCRIPTION
BP-3	

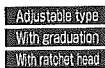
### CONNECTING CABLE

MODEL	DESCRIPTION
378	CTA/CTA-P/CTB to EPP16M2
579	CTA/CTB to PC (D-SUB 9 pins Female)
583	CTA-P to PC (D-SUB 9 pins Female)

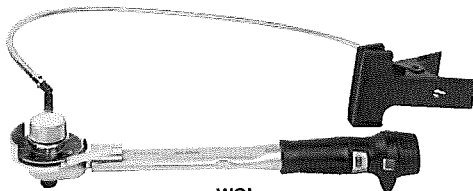
### PRINTER

MODEL	DESCRIPTION
EPP16M2	

## WQL TORQUE WRENCH



Adjustable Type Torque Wrench for Angle Method Tightening. Snug Torque and Angle can be Set with Scale.



WQL

Accuracy ±3%

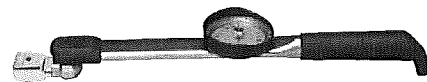
MODEL	Angle Scale		CAPACITY		OVERALL LENGTH mm	SQUARE DRIVE mm	MODEL Metric	CAPACITY	
	MAX. READING	GRAD.	MIN. ~ MAX.	GRAD.				MIN. ~ MAX.	GRAD.
WQL50N	360°	2°	N·m (5) 10~50	0.5	260	9.5	450WQL3	kgf·cm (50) 100~500	kgf·cm 5
WQL100N			(10) 20~100	1	345	12.7	900WQL3	(100) 200~1000	10
WQL200N			(30) 40~200	2	495	18.0	1800WQL3	(300) 400~2000	20
WQL280N	360°	2°	(30) 40~280	2	695	19.0	2800WQL3	kgf·m (3) 4~28	kgf·m 0.2
WQL420N			(40) 60~420	3	975	42.0	4200WQL2	(4) 6~42	0.3

Note 1 : The number in parenthesis is the possible lowest setting snug torque value, not guaranteed 3% accuracy.

## SCDB-S TORQUE WRENCH



Dial Indicating Wrench for European Type Head.



SCDB

Accuracy ±3%

MODEL	CAPACITY		HEAD SIZE mm	EFFECTIVE LENGTH mm	OVERALL LENGTH mm	WEIGHT Approx. kg
	MIN. ~ MAX.	GRAD.				
SCDB25N-9×12-S	N·m 3~25	0.5	9×12	260	271	0.48
SCDB50N-9×12-S	5~50		9×12	300	342	0.53
SCDB100N-9×12-S	10~100	1	9×12	370	422	0.76
SCDB200N-14×18-S	20~200	2	14×18	490	535	1

Note 1 : Overall length is without head.

Note 2 : For DIN standard head, not suitable with Tohnichi standard head.