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Torque Wrench

CTB2-G Digital Type Torque Wrench



 RoHS FOR INSPECTIONS DIGITAL INTERCHANGEABLE HEAD DIRECT READING LIGHT INDICATOR/BUZZER RE-CHARGEABLE

Features

- Detects the original tightened torque applied on the bolt by re-tightening inspection.
- For re-tightening inspection of tightened bolts: Applying additional torque until fastener just starts to move.
- Uses Tohnichi's re-tightening torque measurement algorithm (T-point method). (*Patent pending)
- Detection sensors and internal software provide a final torque value that is very close to the original applied torque.
- Gyro detection guides users with completion light, once wrench detects first movement. This reduces the variations in captured data among different users' testing techniques.
- Internal memory saves up to 999 readings, which can be downloaded via RS232C.
- Interchangeable head allows for use in a variety of applications.
- Applicable for international use including the EU region.
- Compliant with calibration procedures of ISO 6789 Type I Class C.
- Interchangeable head style offers a wide variety of heads to suit many types of applications. QH Ratchet head included. Other types are sold separately.
- Also available: CTB2-BT / CTB2-G-BT torque wrenches capable of Bluetooth® data transmissions.
*Bluetooth is a registered trademark of SIG, Inc.
- Add Tohnichi's TDMS Software Package to provide a solution for collecting torque data for quality inspection routes.
- CTB2-G-S Version (Special Order) saves both peak and original tightening points so it's easy to transition from Tohnichi's CEM Digital Torque Wrench for historical data analysis.



CTB100N2X15D-G [L'=384 mm]



CTB850N2X32D-G [L'=1387 mm]



Compatible also with custom-modified Bluetooth®-equipped CEM3-BT / CEM3-G-BT.

Specifications

Accuracy $\pm 1\%$

MODEL			CTB10N2X8D-G	CTB20N2X10D-G	CTB50N2X12D-G	CTB100N2X15D-G
TORQUE RANGE [N • m]	MIN.~MAX.		2~10	4~20	10~50	20~100
	1 DIGIT		0.01	0.02	0.05	0.1
TORQUE RANGE [kgf • cm]	MIN.~MAX.		20~100	40~200	100~500	200~1000
	1 DIGIT		0.1	0.2	0.5	1
TORQUE RANGE [kgf • m]	MIN.~MAX.		0.2~1	0.4~2	1~5	2~10
	1 DIGIT		0.001	0.002	0.005	0.01
TORQUE RANGE [lbf • in]	MIN.~MAX.		20~90	36~180	100~440	200~880
	1 DIGIT		0.1	0.2	0.5	1
TORQUE RANGE [lbf • ft]	MIN.~MAX.		1.5~7.3	3~14.5	7.5~36	15~73
	1 DIGIT		0.01	0.02	0.05	0.1
MAX. HAND FORCE [N]			2~10	4~20	10~50	20~100
DIMENSION [mm]	EFFECTIVE LENGTH	L	0.01	0.02	0.05	0.1
	OVERALL LENGTH	L'	212	214	282	384
	HEAD	d3	8	10	12	15
WEIGHT [kg]			0.46	0.47	0.58	0.63
INTERCHANGEABLE HEAD			(SH,RH,QH,HH) 8D	(SH,SH-N,RH,QH,DH,HH) 10D	(SH,RH,QH,RQH,DH,HH) 12D	(SH,RH,QH,RQH,DH,HH) 15D

Accuracy $\pm 1\%$

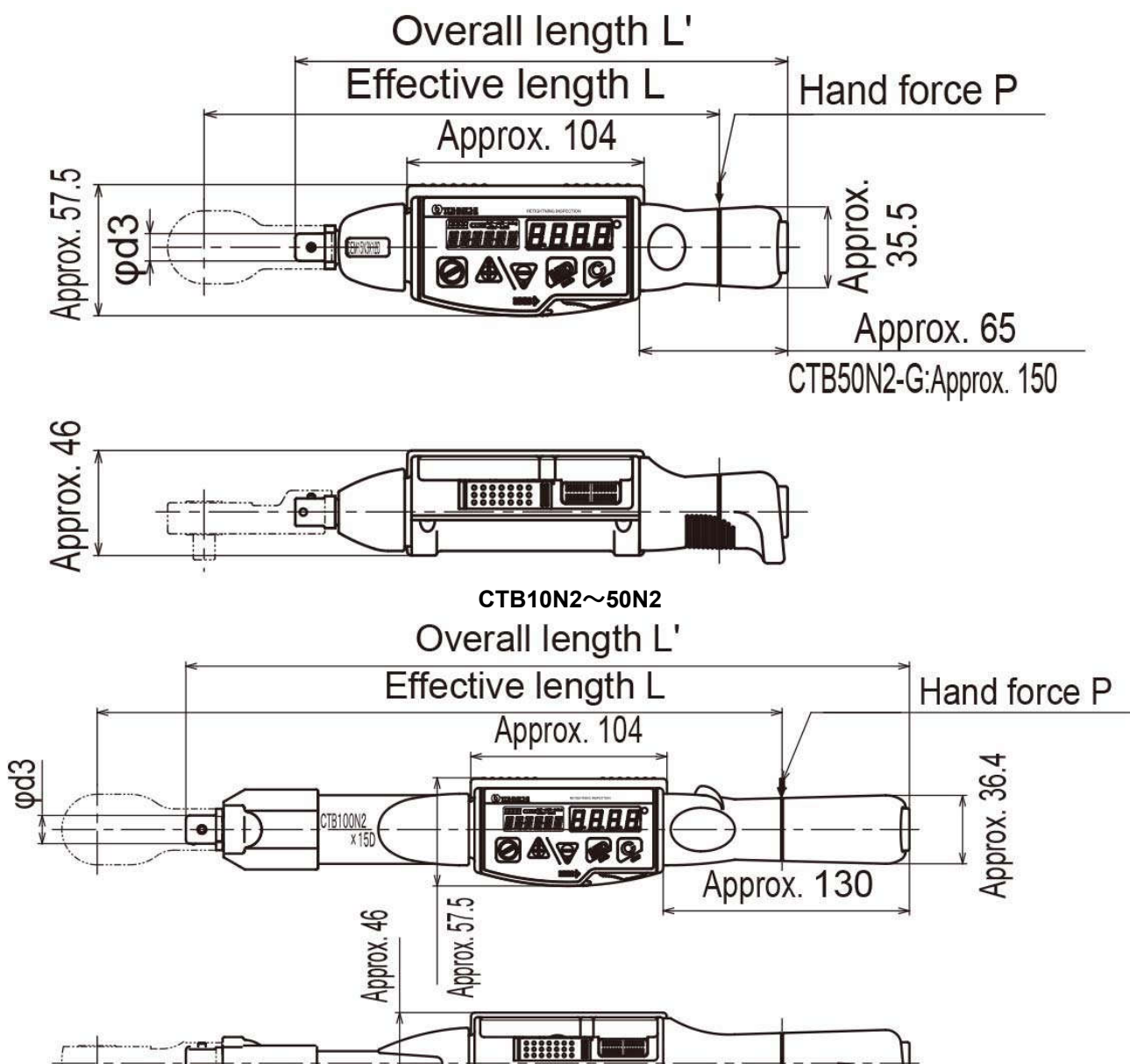
MODEL			CTB200N2X19D-G	CTB360N2X22D-G	CTB500N2X22D-G	CTB850N2X32D-G
TORQUE RANGE [N • m]	MIN.~MAX.		40~200	72~360	100~500	170~850
	1 DIGIT		0.2	0.4	0.5	1
TORQUE RANGE [kgf • cm]	MIN.~MAX.		400~2000	720~3600	1000~5000	-
	1 DIGIT		2	4	5	-
TORQUE RANGE [kgf • m]	MIN.~MAX.		4~20	7.2~36	10~50	17~85
	1 DIGIT		0.02	0.04	0.05	0.1
TORQUE RANGE [lbf • in]	MIN.~MAX.		360~1700	650~3100	890~4400	-
	1 DIGIT		2	4	5	-
TORQUE RANGE [lbf • ft]	MIN.~MAX.		30~150	52~260	73~360	124~620
	1 DIGIT		0.2	0.4	0.5	1
MAX. HAND FORCE [N]			40~200	72~360	100~500	170~850
DIMENSION [mm]	EFFECTIVE LENGTH	L	0.2	0.4	0.5	1
	OVERALL LENGTH	L'	475	713	949	1387
	HEAD	d3	19	22		32
WEIGHT [kg]			0.78	1.13	4.00	5.14
INTERCHANGEABLE HEAD			(SH,RH,QH,RQH,DH,HH) 19D	(SH,RH,QH,RQH,DH,HH) 22D		(SH,RH,QH) 32D

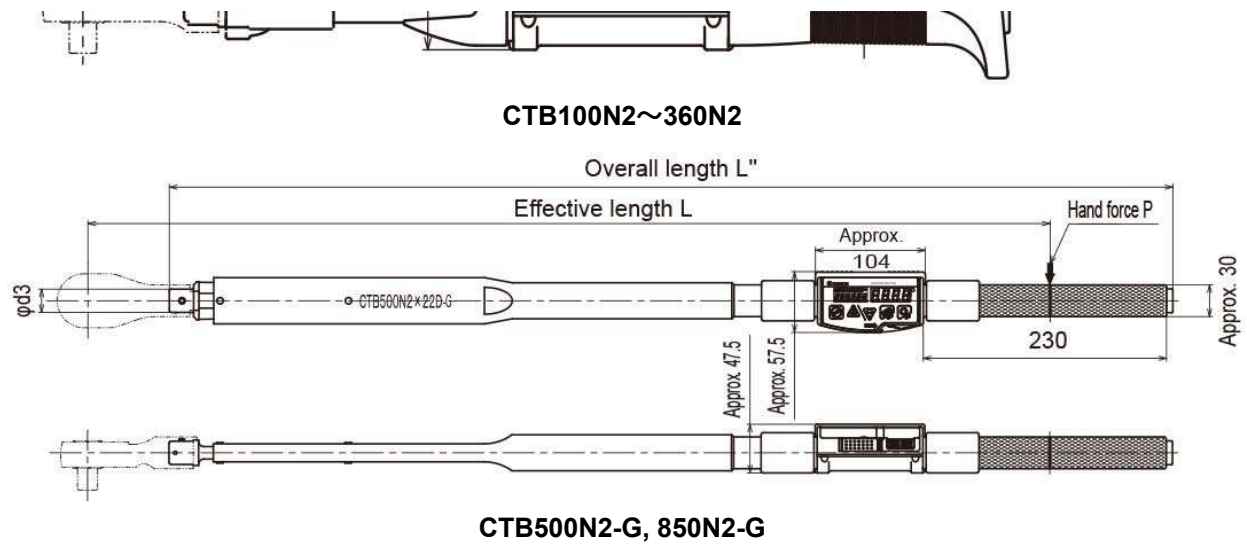
DISPLAY	7 segments LED 4 lines 10 mm
	14 segments LCD 6 lines 7 mm
	7 segments LED 4 lines 3 mm
	Battery Life Indicator (4 steppes)
MEMORY	Judgment LED RED / BLUE
	999 (M-2 mode: 99 data)
COMMUNICATION FUNCTIONS	RS232C (2400~19200 bps)
	Serial output corresponding to a USB connector
POWER SUPPLY	Ni-MH rechargeable battery
CONTINUOUS USE	Approx. 20 hrs with fully charged (8 hrs by 1 hour recharging)
RECHARGING TIME	Approx. 3.5 hrs
OPERATION TEMPERATURE[°C]	0~40 no condensation
	Peak Hold
BASIC FUNCTION	Peak Data Memory with date and time
	Auto Memory & Resetting
	Tightening Completion Buzzer
	Judgment of Measured Data
	Auto Zero setting
	Auto power off (3 min)
	Clock

Standard accessories

Standard Accessories: Battery pack (BP-5), QH head, Quick battery charger (BC-3-G).

Dimensions





Accessories



**Interchangeable
Heads**



Sockets



Connecting Cable 575



Connecting Cable 584



Battery Pack BP-5



Quick Charger BC-3-G