

Digital Torque Gauge

BTGE

PAT. PEND

Digital torque gauge series for very small torque range
2cN·m - 200cN·m



- Handheld battery-operated torque gauge combined with flip-up digital display
- Ideal for measurement, inspection and tightening for very small torque
- Can be used for checking accuracy of torque screwdrivers
- Read the peak torque both in clockwise and counterclockwise directions
- 999 data memory storage with USB output
- 7 models cover torque capacities from 2cN·m to 200cN·m

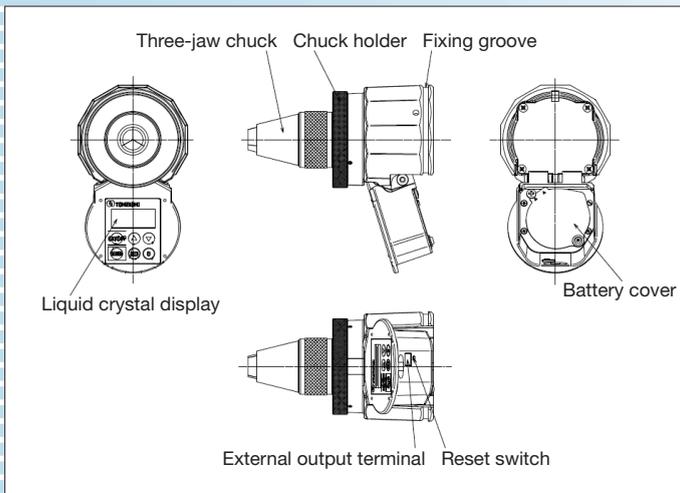




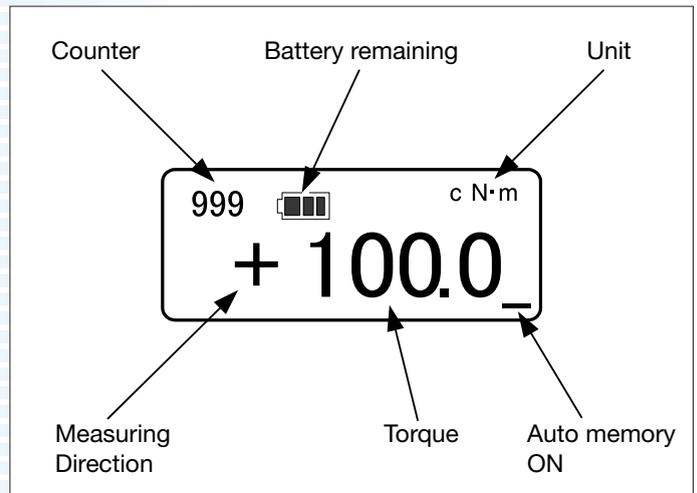
Digital Torque Gauge BTGE

External View

Body (with display opened)



Digital display details



Features

Compact & Versatile design

- Handheld body with built in flip-up digital display that can be adjusted for optimal reading and accommodates various testing positions.
- Three-jaw chuck equipped to clamp the object firmly.
- Physical stopper prevents accidental over-loading.

Wide torque range

- 7 models available covering a torque range of 2cN·m to 200cN·m.
- Capture the peak torque in both directions. (clockwise and counterclockwise)

Variety of uses

- Ideal for measuring very small torque of precision machinery, electronic devices and various assembly components.
- Use either by fixing the body (see Photo 1), or by turning the body (see Photo 2) for optimal measurement method.

Torque screwdriver checker

- Can be used for checking accuracy of torque screwdrivers. (See Photo 3)
- Screwdriver bit is secured in three fingered chuck, with display flipped out for easy viewing.

Memory & Data transfer

- Measured data storage up to 999 readings, with statistical mode displaying: sample quantity, maximum value, minimum value, and mean value.
- USB cable can be used for data transfer to PC. (sold separately)

Battery-operated

- Coin-type lithium battery (CR2450) allows 10-hour continuous operation.
- Expanded 50-hours of continuous operation using optional battery pack. (sold separately)

International use

- Applicable for international use including the EU region. CE mark applied.

Photo 1



Photo 2



Photo 3



Models

S.I. MODEL	CAPACITY [cN·m]		METRIC MODEL	CAPACITY [kgf·cm]		AMERICAN MODEL	CAPACITY [lbf·in]		DIMENSION [mm]					WEIGHT [kg]
	MIN. to MAX.	GRAD.		MIN. to MAX.	GRAD.		MIN. to MAX.	GRAD.	TOTAL LENGTH	OUTER DIAMETER	CHUCK DIAMETER RANGE	MAIN BODY	OUTER DIAMETER OF HOLDER	
	cN·m	cN·m		kgf·cm	kgf·cm		lbf·in	lbf·in						
BTGE10CN	2 to 10	0.01	BTGE1KM	0.2 to 1	0.001	BTGE09I	0.2 to 0.9	0.001	130	75	ø1 to ø8.5	72	ø66	0.65
BTGE20CN	4 to 20	0.02	BTGE2KM	0.4 to 2	0.002	BTGE1.8I	0.4 to 1.8	0.002						
BTGE50CN	10 to 50	0.05	BTGE5KM	1 to 5	0.005	BTGE4.4I	1 to 4.4	0.005						
BTGE100CN	20 to 100	0.1	BTGE10KM	2 to 10	0.01	BTGE9I	2 to 9	0.01						
BTGE200CN	40 to 200	0.2	BTGE20KM	4 to 20	0.02	BTGE18I	4 to 18	0.02						

Standard Accessories: Coin-type lithium battery (built-in the body), Carrying case

Common Specifications

Measurement direction	Bi-directional
Display	7-segment LCD display
Measurement mode	PEAK/RUN
Memory	Max. 999 readings
Statistical processing	Sample q'ty, max. value, min. value, mean value
Data output	USB output (USB mini B connector)
Power source	Coin-type lithium battery (CR2450)
Continuous use	10 hours with coin-type battery, 50 hours with battery pack (BP-C1)
Other functions	Auto power off (3 min). Auto memory reset (0.5-5sec), Auto zero adjustment, residual battery indicator (4 steps)
Operative temperature range	0 to 40°C (no condensation)
Display adjustable range	0 to 163 degree

Optional Accessories

USB Connecting Cable

(Part No. 584)



(Cord length: 1.8m)

Battery Pack

(Part No. BP-C1)

Appearance

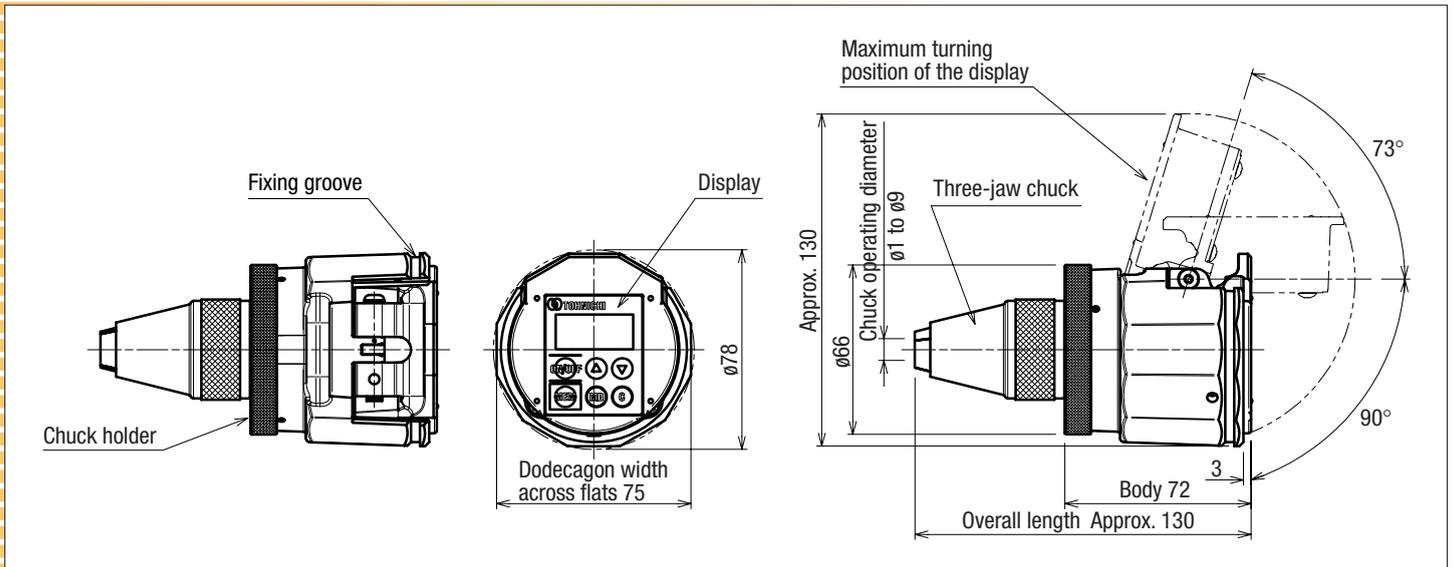


(Cord length: 1m)

Inside



Dimensions



Alternative Models

BTG (-S) Analog version of torque gauge



S.I. MODEL	WITH MEMORY POINTER	CAPACITY [cN·m]		METRIC MODEL	CAPACITY [gf·cm/kgf·cm]		AMERICAN MODEL	CAPACITY [ozf·in/lbf·in]	WEIGHT [kg]
		MIN. to MAX.	GRAD.		MIN. to MAX.	GRAD.		MIN. to MAX.	
BTG15CN	BTG15CN-S	2 to 15	0.2	1.5BTG-S	kgf·cm	kgf·cm	1.5BTG-A-S	lbf·in	0.52
BTG24CN	BTG24CN-S	3 to 24	0.05		0.2 to 1.5	0.02		0.1 to 1.5	
BTG36CN	BTG36CN-S	4 to 36		1	0.3 to 2.4	0.05	2.4BTG-A-S	0.3 to 2.4	
BTG60CN	BTG60CN-S	6 to 60	0.4 to 3.6		3.6BTG-A-S		0.4 to 3.6		
BTG90CN	BTG90CN-S	10 to 90	2	0.6 to 6	0.1	6BTG-A-S	0.6 to 6		
BTG150CN	BTG150CN-S	20 to 150		1 to 9		9BTG-A-S	1 to 9		
				15BTG-S	2 to 15	0.2	15BTG-A-S	2 to 15	

Complimentary Products

TGTCL Calibration Kit for BTG/BTGE models



MODEL	COMPONENT	APPLICABLE MODEL
BTGTCL150CN	Main unit, Calibration Pulley x 2 Calibration Wire x 3 Scale Pan (5g and 100g)	BTG15CN, BTG24CN, BTG36CN, BTG60CN, BTG90CN, BTG150CN, BTGE



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