

ATG/BTG

Analog Torque Gauge

Dial Indicating

3-jaw Chuck

Direct Reading

RoHS

Direction



ATG6CN



BTG36CN

ATG Optional Accessories

Part #	Description
322	Plastic Case and Chuck

- Compact portable handheld design
- Top and side scales for easy reading
- Three fingered keyless chuck

S.I. Model	Torque Range [cN-m]		Metric Model	Torque Range [gf-cm/kgf-cm]		American Model	Torque Range [ozf-in/lbf-in]		Chuck Grip [mm]	Dimensions [mm]		Weight [kg]
	Min.-Max.	Grad.		Min.-Max.	Grad.		Min.-Max.	Grad.		Overall Length	Outside Diameter	
				gf-cm	kgf-cm					ozf-in	lbf-in	
ATG045CN	0.05-0.45	0.01	45ATG	5-45	1	ATG06Z	0.06-0.6	0.01				
ATG09CN-S	0.1-0.9		90ATG-S	10-90		ATG1.5Z-S	0.2-1.5	0.02				
ATG1.5CN-S	0.2-1.5	0.02	150ATG-S	20-150	2	ATG2.4Z-S	0.3-2.4	0.05				
ATG3CN-S	0.3-3	0.05	300ATG-S	30-300	5	ATG4.5Z-S	0.5-4.5	0.1	φ1-φ6.5	99	43.5	0.18
ATG6CN-S	0.6-6	0.1	600ATG-S	60-600	10	ATG9Z-S	1-9	0.2				
ATG12CN-S	1-12	0.2	1200ATG-S	100-1200	20	ATG18Z-S	2-18	0.5				
ATG24CN-S	3-24	0.5	2400ATG-S	300-2400	50	ATG36Z-S	4-36	0.5				
-	-	-	-	-	-	BTG60Z-S	6-60	1				
-	-	-	-	-	-	BTG120Z-S	10-120	2				
				kgf-cm	kgf-cm		lbf-in	lbf-in				
BTG15CN-S	2-15	0.2	1.5BTG-S	0.2-1.5	0.02	1.5BTG-A-S	0.1-1.5	0.02	φ1-φ8.5	135	64.2	0.52
BTG24CN-S	3-24		2.4BTG-S	0.3-2.4		2.4BTG-A-S	0.3-2.4	0.02				
BTG36CN-S	4-36	0.5	3.6BTG-S	0.4-3.6	0.05	3.6BTG-A-S	0.4-3.6	0.05				
BTG60CN-S	6-60		6BTG-S	0.6-6		6BTG-A-S	0.6-6	0.1				
BTG90CN-S	10-90	1	9BTG-S	1-9	0.1	9BTG-A-S	1-9	0.1				
BTG150CN-S	20-150	2	15BTG-S	2-15	0.2	15BTG-A-S	2-15	0.2				

Note

1. ATG045CN, 45ATG and ATG06Z are provided without side or top memory pointer.
2. "Without memory pointer" models are available. Remove "-S" from the model name when ordering. (Ex. ATG09CN, BTG15CN)
3. Aluminum case and steel chuck are standard for ATG models. Plastic case and chuck can be ordered separately.

ATGE-G

Digital Torque Gauge

Digital

3-jaw Chuck

Direct Reading

Battery

RoHS

Direction



CE



ATGE5CN-G



- Digital torque gauge with pull out display
- For measurement, inspection and tightening of low torque range
- 3 way configuration; hand-held, table top or as a torque meter with testing fixture

Model	Torque Range								Chuck Grip [mm]	Dimensions [mm]		Weight [kg]
	[cN-m]		[mN-m]		[gf-cm]		[ozf-in]			Overall Length	Outside Diameter	
	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit				
ATGE05CN-G	0.1-0.5	0.001	1-5	0.01	10-50	0.1	0.15-0.7	0.001	φ1-6.5	120	67	0.305
ATGE1CN-G	0.2-1	0.001	2-10	0.01	20-100	0.1	0.3-1.4	0.001				
ATGE2CN-G	0.4-2	0.002	4-20	0.02	40-200	0.2	0.6-2.8	0.002				
ATGE5CN-G	1-5	0.005	10-50	0.05	100-500	0.5	1.5-7	0.005				
ATGE10CN-G	2-10	0.01	20-100	0.1	200-1000	1	3-14	0.01				
ATGE20CN-G	4-20	0.02	40-200	0.2	400-2000	2	6-28	0.02				

Note

Aluminum case and steel chuck are standard for ATGE-G models. Plastic case and chuck/322 (page 59) is sold separately.

Standard Accessories

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

ATGE-G Common Specifications

Direction	CW/CCW
Display	7 segment LCD display, Counter 3 digits (character height 3mm), Torque value: 4 digits (character height 7mm) Torque unit, Battery indicator, Direction
Mode	PEAK/RUN
Data Memory	999 readings
Statistic Processing	Sample size, Max. value, Min. value, Mean value
Data Output	USB output (USB mini B connector)
Power	Coin-type lithium battery (CR2450)
Continuous in Use	Approx. 10 hours when using coin battery
Other Functions	Auto power off (3 min.), Auto memory reset (0.5-5) seconds variable, Auto zero adjustment, Residual battery indicator (4 steps), Buzzer ON/OFF, Unit Conversion
Operating Temperature	0 to 40°C non condensing
Standard Options	Coin battery (built in), Carrying case

◆ Calibration Kit for ATG/BTG/ATGE-G/BTGE-G



* Sold separately. Refer to page 62.

BTGE-G

Digital Torque Gauge

Direction



BTGE200CN-G

- Digital**
- 3-jaw Chuck**
- Direct Reading**
- Battery**
- RoHS**

- Multiple units of measure through keypad setup
- For measurement, inspection and tightening of low torque ranges
- Flip-up display can be adjusted for optimal reading

Accuracy $\pm 2\% + 1$ digit

Model	Torque Range								Chuck Grip [mm]	Dimensions [mm]		Weight [kg]
	[cN·m]		[kgf·cm]		[ozf·in]		[lbf·in]			Overall Length	Outside Diameter	
	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit	Min.-Max.	1 digit				
BTGE10CN-G	2-10	0.01	0.2-1	0.001	3-14	0.01	0.2-0.88	0.001	φ1-φ8.5	130	75	0.65
BTGE20CN-G	4-20	0.02	0.4-2	0.002	6-28	0.02	0.4-1.7	0.002				
BTGE50CN-G	10-50	0.05	1-5	0.005	15-70	0.05	1-4.4	0.005				
BTGE100CN-G	20-100	0.1	2-10	0.01	30-140	0.1	2-8.8	0.01				
BTGE200CN-G	40-200	0.2	4-20	0.02	60-280	0.2	4-17	0.02				

- Note**
1. Can be used for checking accuracy of torque screwdrivers.
 2. Max 999 readings can be saved with statistical function max/min/mean values.

BTGE-G Optional Accessories

Connecting Cable (P.47)

Part #	Applicable Models
384	BTGE-G (USB mini B) → PC (USB A)

Measurement Board

Model
809

BP-C1



Battery Pack

Model
BP-C1

ATG/BTG/ATGE-G/BTGE-G Optional Accessories



No.808

ATGE-G/BTGE-G Measurement stand
To firmly fix ATGE-G/BTGE-G to use as table top configuration

Part #	Applicable Models
808	ATGE-G
809	BTGE-G



No.800

Table attachment
4 poles are designed to clamp objects of any shape (Chucking diameter φ10-φ58)

Part #	Applicable Models
800	ATGE-G/BTGE-G



No.806

Calibration adapter for ATGE-G/BTGE-G
Adapter for calibration devices (ATGTCL/BTGTCL) to mount on ATGE-G/BTGE-G

Part #	Applicable Models
806	ATGE-G
807	BTGE-G



BA-5

Adapter for USB connector
External power supply adapter for ATGE-G/BTGE-G with using USB connecting cable.

Part #	Applicable Models
BA-5	ATGE-G/BTGE-G



No.384

USB connecting cable
Cable for external USB data output or connecting BA-5

Part #	Applicable Models
384	ATGE-G/BTGE-G



No.322

Plastic chuck
Plastic chuck for fragile objects

Part #	Applicable Models
322	ATG/ATGE-G



BP-C1

Battery pack

Part #	Applicable Models
BP-C1	BTGE-G



ATGE-G with table attachment and measurement stand



BTGE-G with table attachment and measurement stand

