Digital Torque Gauge
ATGE-G (Global model)

PAT. PEND

3 Way Configuration:
Hand-held, Table Top, or as a Torque Meter with Testing Fixture

Hand-held digital torque gauge with self contained display

Pull out display allows for table top configuration with measurement stand (Sold separately)

Use as a torque meter with addition of testing fixture (Sold separately)

- Digital torque gauge with pull out display
- Ideal for torque measurement of electronic components
- Can be used for checking accuracy of torque screwdrivers
- 4 models cover torque capacities from 0.1cN·m to 5cN·m
- Accuracy ±2% +1 digit of indicated value, CE & RoHS compliant
- 999 data memory storage with USB output
- Multiple units of measure capabilities: SI, Metric, American

RoHS CE

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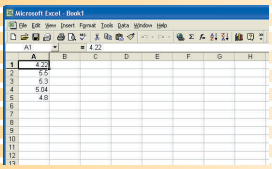
Direction

Digital Torque Gauge ATGE-G

Features

3 Way Configuration: Hand-Held, Table Top, or as a Torque Meter with Testing Fixture

- **Pull out display allows for a variety of testing configurations: hand held, table top or with testing fixture. The digital display simply slides out of the housing and is attached with a curly cord. Use the optional testing stand to secure the gauge while testing or add fixture to secure your test piece.**
- **Ideal for torque measurement for electronic components such as small motor, encoder, potentiometer and others.**
- **4 models cover torque capacities from 0.1cN·m (1mN·m) to 5cN·m (50mN·m).**
- **Accuracy ±2% +1 digit of indicated value, Compliant with CE and RoHS directive.**
- **Additional power charging option when using AC adapter (Model: BA-5) and USB cable (Model: No. 384).**
- **The stored data can be transferred to PC with "Excel Receiver" software (Optional).**



3 Way Configuration

1.

Hand-held style
with self contained display
* Example: Torque measurement for small motor, development of the motor, inspection for control software

2.

Table top style
with display on the side
* Example: Measurement for starting torque and click torque for encoder

3.

Torque Meter style
with testing fixture
* Example: Rotating torque measurement for potentiometer

Specifications

ATGE-G Models

Accuracy ±2%+1digit

Model	cN·m		mN·m		gf·cm		ozf·in	
	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
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

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

Dimensions

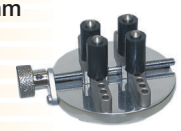
Chuck Dia. [mm]	Dimensions [mm]		Weight [kg]
	Overall Length	Outer Dia.	
ø1-6.5	120	67	0.305

Common Specifications

Direction	CW/CCW
Accuracy	±2% of indicated value +1 digit
Display	7 segment LCD display, Torque unit, Battery indicator, Direction, Counter 3 digits (character height 3mm), Torque value: 4 digits (character height 7mm)
Mode	PEAK/RUN
Data Memory	999 readings
Statistic Prosessing	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

Optional Accessories

Testing Fixture (No. 800)
* Clump diameter: ø10 to ø58mm



Measurement Stand (No. 808)

[Example]

Calibration Kit ATGTCL24CN

Connecting Cable (No. 384)
* No. 384 cable is required when using BA-5.

AC Adapter BA-5

Calibration Adapter (No. 806)

Resin Chuck (No. 322)
* Scratch-prevention for an inspection object.

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