

# ATG/BTG

Analog Torque Gauge

Dial Indicating

3-jaw Chuck

Direct Reading

RoHS

Direction



ATG6CN



BTG36CN

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

Accuracy ±2%

| 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 |             |
| 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                       | 2      | ATG1.5Z-S      | 0.2-1.5                      | 0.02   |                 |                 |                  |             |
| ATG1.5CN-S | 0.2-1.5             | 0.02  | 150ATG-S     | 20-150                      |        | 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 |                 |                 |                  |             |
| 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   |                 |                 |                  |             |
| BTG24CN-S  | 3-24                |       | 2.4BTG-S     | 0.3-2.4                     |        | 2.4BTG-A-S     | 0.3-2.4                      | 0.02   | φ1-φ8.5         | 135             | 64.2             | 0.52        |
| 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                | 1     | 6BTG-S       | 0.6-6                       | 0.1    | 6BTG-A-S       | 0.6-6                        | 0.1    |                 |                 |                  |             |
| BTG90CN-S  | 10-90               |       | 9BTG-S       | 1-9                         |        | 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.

## ATG Optional Accessories

| Part # | Description            |
|--------|------------------------|
| 322    | Plastic Case and Chuck |

# ATGE-G

Digital Torque Gauge

Digital

3-jaw Chuck

Direct Reading

Battery

RoHS

Direction



CE



ATGE5CN-G



NEW

- 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

Accuracy ±2%+1 digit

| 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   |                 |                 |                  |             |
| 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   | φ1-6.5          | 120             | 67               | 0.305       |
| 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 can be ordered 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 60.