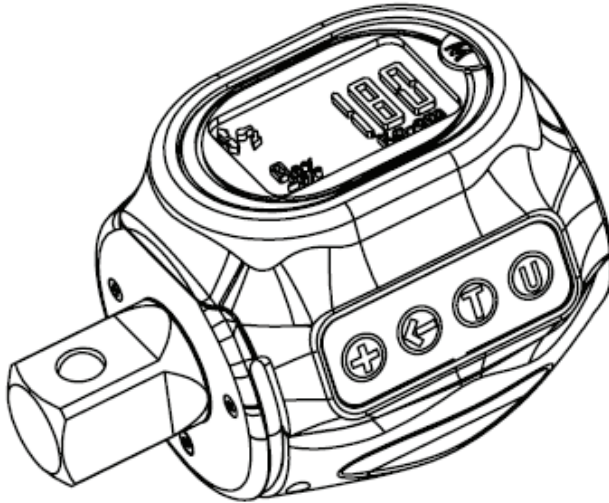


Pro**Meister**



User Guide

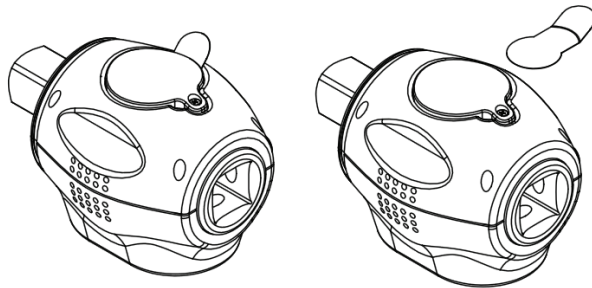
7 Pcs 1/2" Digital Torque Adapter Set

Product Features

- Use on its own, or with any ratchet
- Measure both torque and angle
- 10 memory sets for most used torque and angle settings
- Bright LCD large screen
- 'Light Stripe' indicator for maximum visibility
- 180° Twist Head™ Design

Quick Use

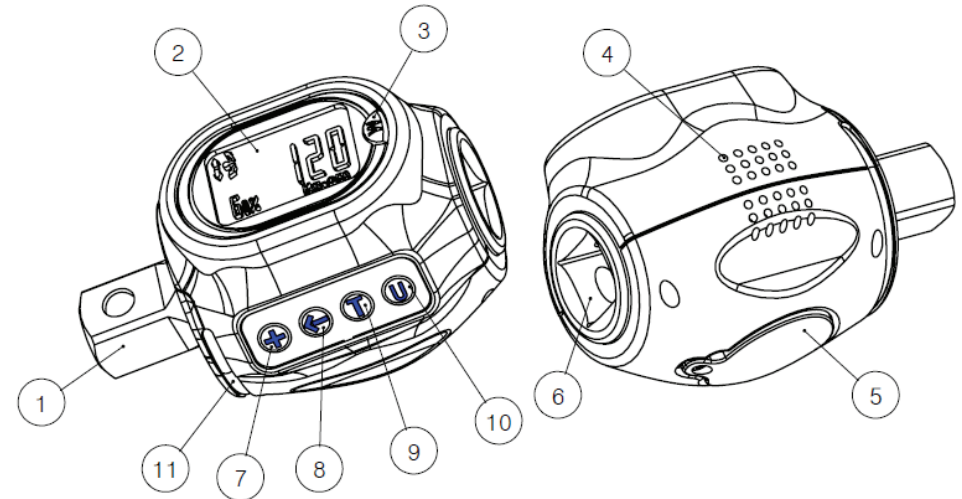
1. Remove the plastic piece.
2. Turn on
3. Press 'M'. Digit 'Zero' should be displayed on the screen. If not, please press 'M', hold for 2 sec. to switch off. Then press 'M' again to turn on for resetting. Press 'U' to change engineering unit, choose from N m Pd ft. Pd Inch, Kg M, Kg cm.
4. For torque detection, the device is ready to use. You can use it on its own or with any Ratchet/Breaker bar/T bar with same drive size. You may need to set up target torque or angle if indication is preferred. Please see 'Target Torque and Angle Setting' section.
5. If high torque has been applied to the device without torque setting, the device will notify the user with a steady high pitched sound to stop, as this may damage the device.



Introduction

We congratulate you on the purchase of your new premium quality product. The instructions for use are part of the product. They contain important information concerning safety, use, and warranty. Before using this product, please familiarize yourself with all of the safety information and instructions for use. Only use the product as intended and with suggested tools. If you pass the product on to anyone else, please ensure that you also pass on all the documentation with it. The manufacturer accepts no liability caused by improper use.

Keypad Introduction



- | | |
|-------------------|--|
| 1 Drive Head | 7 Setting - Setting Number (Add/Reduce Number) |
| 2 LCD Screen | 8 Setting - Setting Number (Torque/Angle Mode) |
| 3 Power/Backlight | 9 Peak Mode/Trace Mode/Flipping Screen/Enter |
| 4 Buzzer | 10 Engineering Unit Selection |
| 5 Battery | 11 Light Stripe |
| 6 Female Drive | |

Instructions

STEP 1 REMOVE PLASTIC PIECE

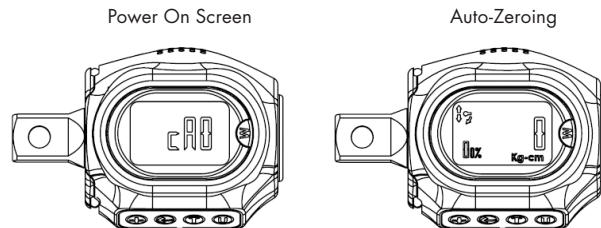
Please remove the plastic piece to activate the battery. This battery is fully replaceable. The device comes with operating CR2032 button battery. This can be purchased in most shops and retailers. In general, the battery can be used for at least 1 year, however this can be affected by room temperature, humidity and the frequency of usage. This is not included in Manufacturer's warranty.

STEP 2 TURN ON THE DEVICE

Press 'M'. Digit 'Zero' should be display on the screen. If not, please press 'M' and hold f or 2 sec. to switch off. Then press 'M' again to turn on for resetting.

STEP 3 SET YOUR PREFERRED ENGINEERING UNIT SETTING

Press 'U' to choose your preferred engineering unit. Choose units from N m Pd ft. Pd Inch, Kg M, Kg cm. This can be also used as an unit converter when the target unit is set.

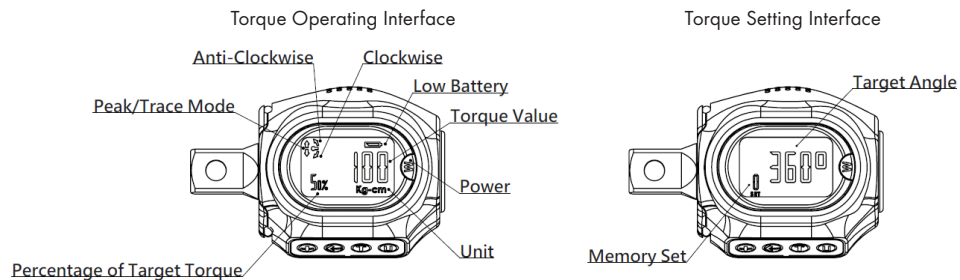


STEP 4 SET UP TARGET TORQUE AND ANGLE

There are 4 modes in this device: Torque Operating Mode, Angle Operating Mode, Torque Setting Mode, and Angle Setting Mode.

Torque Operating Mode : When the device turns on, you will be under this operating mode by default. Under this mode, you can apply torque on the device and the device shall give you a reading of the torque you have applied. If target torque is set the device will also indicate to the user when the target is reached under this mode.

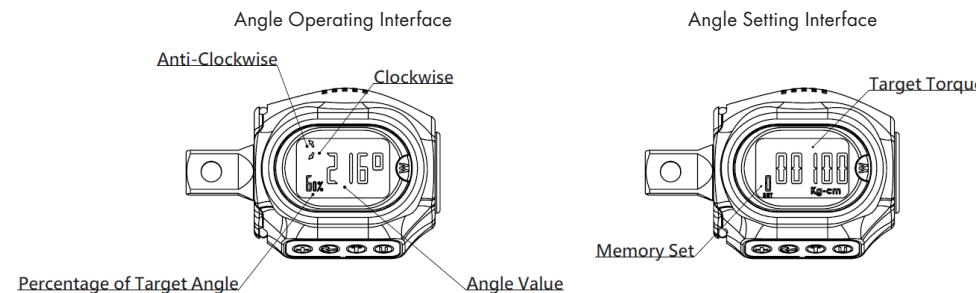
Torque Setting Mode : The user can set up the target torque measurement under this mode.



Instructions

Angle Operating Mode : This mode gives you an angle measurement. If target angle is set the device will also indicate to the user when the target is reached under this mode.

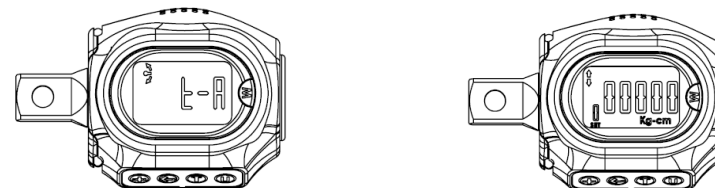
Angle Setting Mode : The user can set up the target angle measurement under this mode.



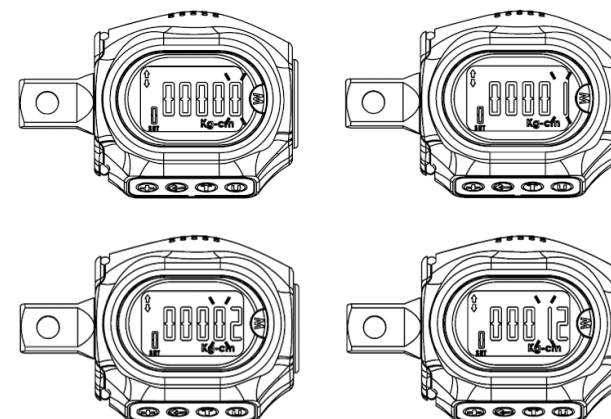
'T-A': Torque and Angle Measurement Mode

From Operating Mode, press '+' to entering the Setting Mode. The word 'SET' will show on the bottom left once you are in the Setting Mode.

In Setting Mode, to set up the target torque - Press '<' you should then see a flashing digit. Press '+' to change value from (0-9).

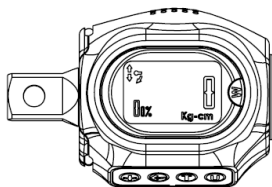


Press '<' again to change the value accordingly by tens, hundreds.



Instructions

Once target torque is keyed in, press 'T' to confirm. Now the target torque is set. Then press 'T' again to go back to Operating Mode.

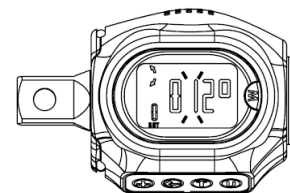
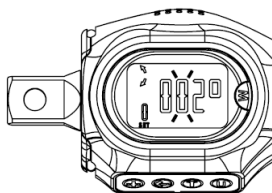
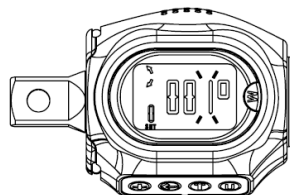
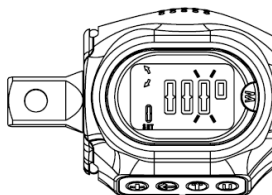
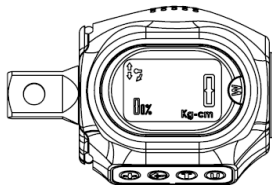


Angle Setting

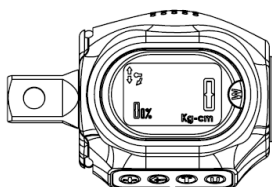
Press '<' in Operating Mode, this will take you to Angle Operating Mode.

Press 'U' to switch among Clockwise/Anti-Clockwise/Both way.

Press '+' for entering Angle Setting Mode. The word 'SET' will show on the bottom left once you are in the setting mode. In Angle Setting Mode, to set up the target angle, Press '<' you should then see flashing digits, press to change value from (0 9), press '<' again to change the value accordingly by tens, hundreds.

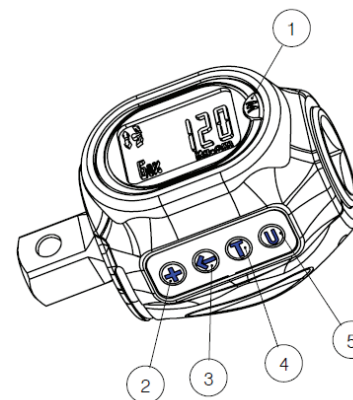


Once target torque is set, press 'T' to confirm. Then press '<' to go back to Operating Mode.



Instructions

Operating Mode



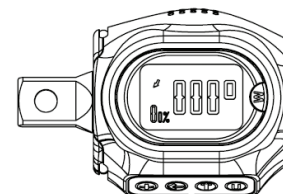
- 1 Power/Backlight
- 2 Setting - Setting Number (Add/Reduce Number)
- 3 Setting - Setting Number (Torque/Angle Mode)
- 4 Peak Mode/Trace Mode/Flipping Screen/Enter
- 5 Unit

'T-A' Torque Angle Measurement Indication

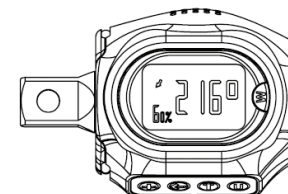
After target torque and angle is set, the device will show the user different levels of indication depending upon the percentage of torque that has been applied.

This device has 4 levels of indication. At a different level of target torque, the device gives you different indicator signals. When the torque has been applied, and taking target torque 200kg-m as an example. See below.

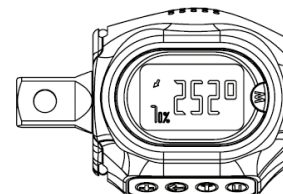
Start with Zero



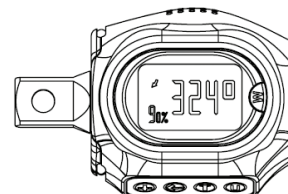
60%: Flashing GREEN light, with a repetitive beeping sound.



Start with Zero



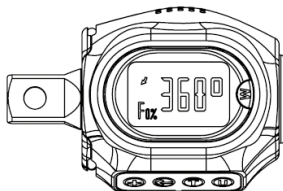
60%: Flashing GREEN light, with a repetitive beeping sound.



Instructions

100% : Steady RED light, with a high-pitched continuous sound. This means your target torque is reached.

After measurement, press 'T' then the device will go back to '0' and will be ready for next use.



STEP 5 SET UP YOUR MOST USED TARGET TORQUE AND ANGLE

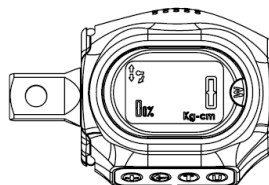
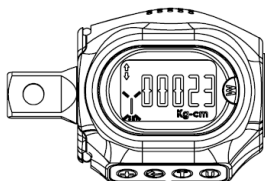
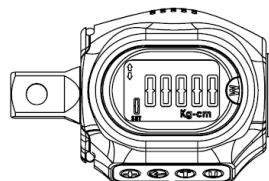
How to set your 10 memory sets

The user can set up to 10 sets of frequent target torque and angle use. This means you only need to set up once for regular use.

If you are in Operating Mode, press '+' to enter Setting Mode. In Setting Mode, press '+' to select your set. You can choose from SET0 to SET9.

You may like to set up your most used torque & angle measurement accordingly. Please change to SET0/SET1/SET2...to set up. Press '<' to start your setting.

You can always revisit these 10 SETs and come back to change in the future. To choose your preferred set simply press '+'.



STEP 6 YOU ARE READY TO GO!

Use the device on its own or with any tools with the right drive size (1/2" 3/8" or 1/4" drive). You can convert any ratchet into a digital torque wrench. You only need to measure torque or angle? No problem!

Switch among Torque Measurement/Angle Measurement/Torque Angle Measurement

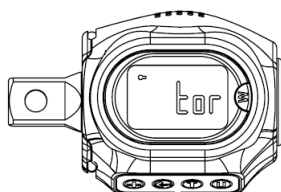
In Operating Mode, press '<' and hold for 2 sec.

'tor' stands for torque measurement only.

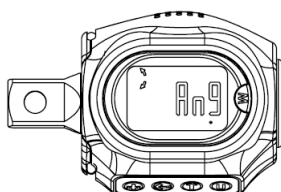
'An9' stands for angle measurement only.

't-A' stands for torque & angle measurement.

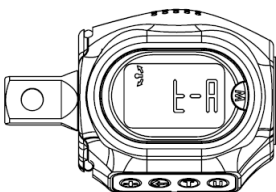
Torque Measurement only



Angle Measurement Only



Torque and Angle Measurement



Instructions

tor: torque measurement only

After target torque setting is done, this device will show the user different indicator levels. This will give the user a good understanding of the level of target torque measurement.

This device has 4 levels of indication. At different levels of target torque, it gives you different indicator signals. When the torque has been applied by:

- 60% Flashing GREEN light, with a repetitive beeping sound
- 70% Flashing AMBER light, with a repetitive beeping sound
- 90% Flashing RED light, with a faster beeping sound
- 100% Steady RED light, with a continuous, high pitched sound

Peak and Trace mode

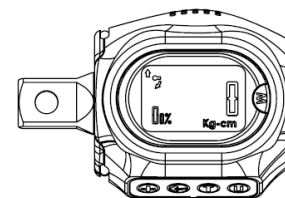
In Torque Operating Mode, you can choose from Peak Mode or Trace Mode.

Press 'T' to switch from Peak Mode and Trace Mode

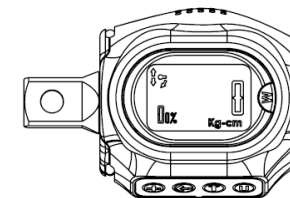
Peak Mode: Showing the final value of peak torque. This is displayed as a single arrow on the top left on the screen. Peak mode can be very useful if you need the most accurate torque measurement.

Trace Mode: Trace mode will auto-zero after torque is applied. Trace Mode is displayed in two arrows on the top left of the screen. This is perfect for quick jobs.

Peak Mode: Single arrow
Display Peak Torque



Trace Mode: Dual arrow
Auto-zeroing



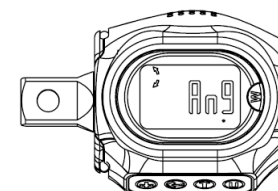
Ang: Angle measurement only

After Angle setting is done, this device will show the user different indicator levels. At different levels of target angle, this device gives you different indicator signals. When the torque angle has been applied by:

- 60% of target angle: Flashing GREEN light, with a repetitive beeping sound
- 70% of target angle: Flashing AMBER light, with a repetitive beeping sound
- 90% of target angle: Flashing RED light, with faster beeping sound
- 100% of target angle: Steady RED light, with continuous, high pitched sound

After the measurement is completed, Press 'T' to reset for next use .

Angle Only Measurement

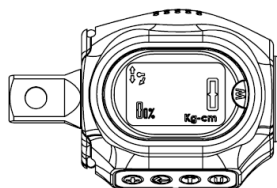


Instructions

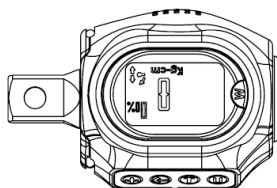
FLIPPING SCREEN (UNIQUE FEATURE)

In Operating Mode, press 'T', hold for 2 sec.

Default

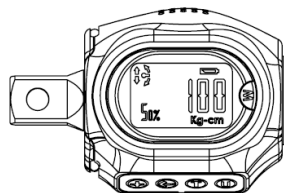


Press 'T' and hold

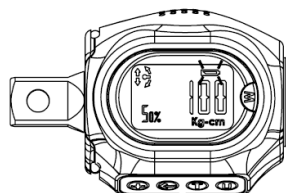


BATTERY IS LOW?

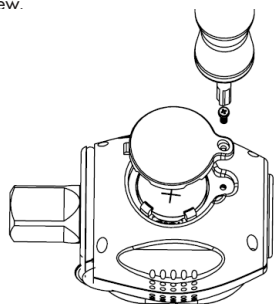
Steady Battery Indicator 2.6V



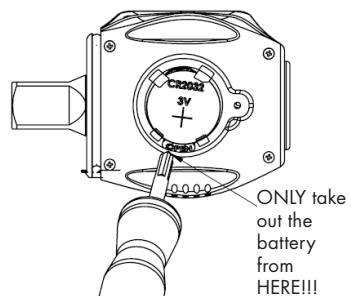
Flashing, please change the battery



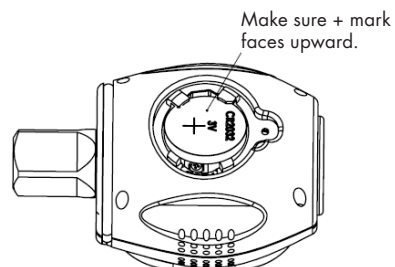
To change the battery please use a correct sized screwdriver to undo the screw.



Apply screwdriver tip where OPEN is shown. Carefully remove the expired battery.



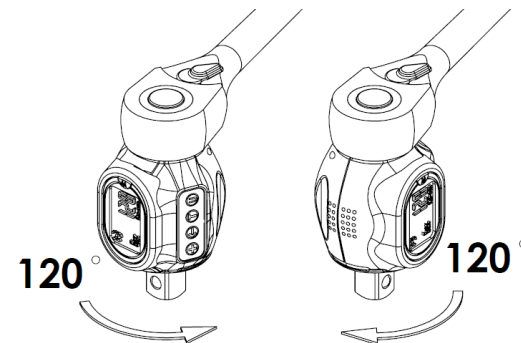
Please see picture and insert new battery accordingly. Press down the battery cap and screw in.



Instructions

TWIST DRIVE LIMIT: 120 DEGREE

Warning: Please DO NOT force to turn the device drive over 120° as it will permanently damage the device!



Specification Table

Type	1/4" 2 nd Gen Digital Torque Adapter (Torque & Angle)	3/8" 2 nd Gen Digital Torque Adapter (Torque & Angle)	1/2" 2 nd Gen Digital Torque Adapter (Torque & Angle)
Precision	Clockwise: ±3% Anti-Clockwise: ±3%	Clockwise: ±2% Anti-Clockwise: ±2%	Clockwise: ±2% Anti-Clockwise: ±2%
Range	6~30Nm	27~135Nm	40~200Nm
Min. Value	0.1Nm	0.1Nm	0.1Nm
Memory Set	10 sets	10 sets	10 sets
Unit	Kg-cm, Kg-m, ft-lb In-lb, Nm	Kg-cm, Kg-m, ft-lb In-lb, Nm	Kg-cm, Kg-m, ft-lb In-lb, Nm
Drive	1/4"	3/8"	1/2"
Battery	DC3V, CR2032	DC3V, CR2032	DC3V, CR2032
Adequate Operating Temperature	-10°C~60°C	-10°C~60°C	-10°C~60°C
Adequate Store Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C

Produced in Taiwan for
Bileko Car Parts AB
P.O. Box 542
S-645 25 Strängnäs, Sweden
Tel: +46 771 72 00 00
www.promeister.com