

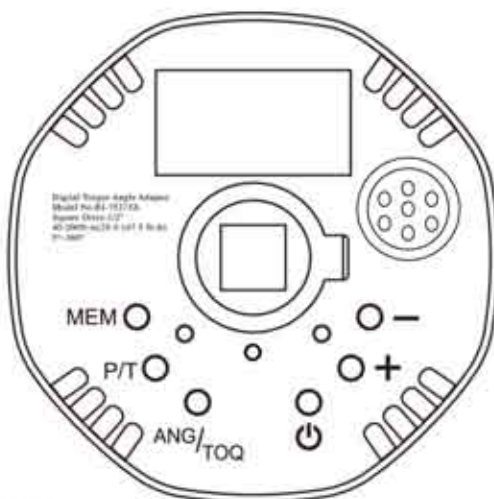
Digital Torque Angle Adapter

USER MANUAL



Digital Torque Angle Adaptor

Thank you for choosing RJ series digital torque angle adaptor. Please read instruction carefully before using. You will find this RJ series Digital Torque Angle Adaptor easy to use. Turn it on and apply the Digital Torque Angle Adaptor.



CONTENTS

- 1.Product Specifications
- 2.Components and Features
- 3.How to use Digital Torque Angle Adaptor.
 - 3-1: Battery Installation and Replacement
 - 3-2: Power On;
 - 3-3: How to use Angle functions.
 - 3-4: How to set Target Angle Value
 - 3-5: How to select "UNIT". (kg-m, lb-ft, N-m)
 - 3-6: How to use Preset function.
 - 3-7: How to set "Peak" and "Track".
 - 3-8: Turn Off
- 4.Care and Cleaning
- 5.Importment safeguards

TURN OFF

1. Product Specifications

Model No.: CA130008

Torque Accuracy	±2%
Angle Accuracy	(± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture)
Pre-set target value	10 sets
Display resolution	Torque : 0.1 Angle : 1
Display Range	40 ~ 200N-m (29.5-147.5lb-ft) Angle : 5 ~ 360°
Drive	1/2 inches
Operation Mode	Peak/Track
Unit Selection	kg-m, lb-ft, N-m
Dimension	75mm W : 101mm
Weight	292 g
Battery	AA x 2
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	0°C - 60°C (31.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating relative humidity	15 to 90% noncondensing
Auto shut off	150 seconds (if do not use.)

Model No.: CA130005

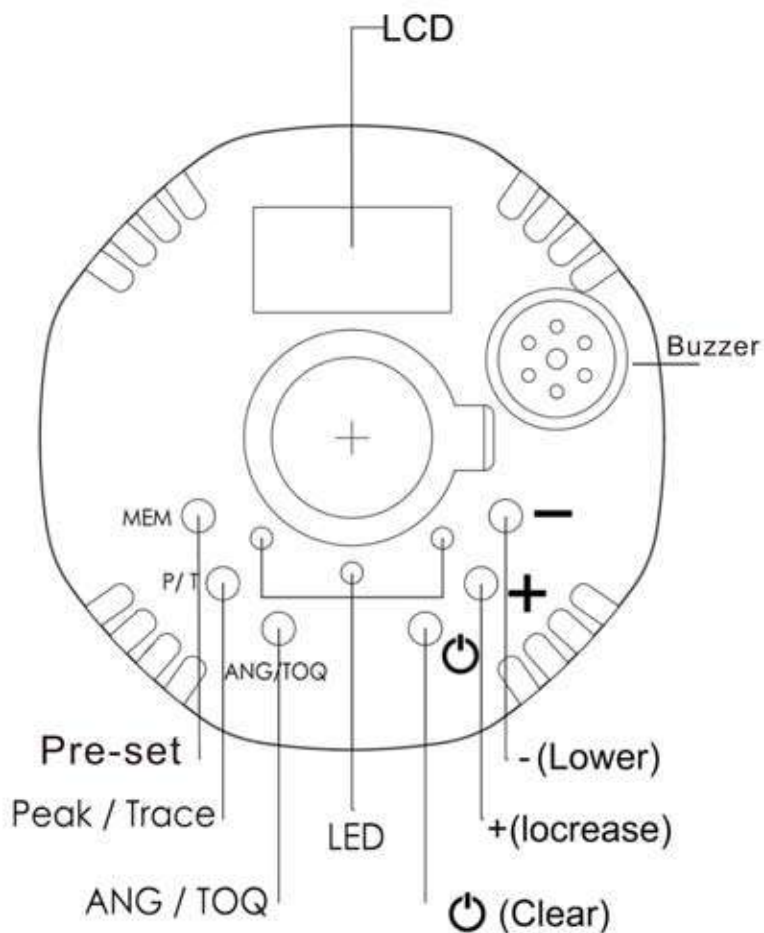
Torque Accuracy	±2%
Angle Accuracy	(± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture)
Pre-set target value	10 sets
Display resolution	Torque : 0.1 Angle : 1
Display Range	27 ~ 135N-m (19.9-99.6lb-ft) Angle : 5 ~ 360°
Drive	3/8 inches
Operation Mode	Peak/Track
Unit Selection	kg-m, lb-ft, N-m
Dimension	75mm W : 101mm
Weight	284g
Battery	AA x 2
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	0°C - 60°C (31.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating relative humidity	15 to 90% noncondensing
Auto shut off	150seconds (if do not use ratchet.)

Product Specifications

Model No.: CA130006

Torque Accuracy	±2%
Angle Accuracy	(± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) +(± 1% of Text Texture)
Pre-set target value	10 sets
Display resolution	Torque : 0.1 Angle : 1
Display Range	6-30 N-m (4.4 ~ 22.1lb-ft) Angle : 5 ~ 360°
Drive	1/4 inches
Operation Mode	Peak/Track
Unit Selection	kg-m, lb-ft, N-m
Dimension	75mm W : 101mm
Weight	218 g
Battery	AA x 2
Battery Life	110hrs (continuous operation)
Operating Ambient Temperature	0°C - 60°C (31.9°F - 139.9°F)
Storage Temperature	-20°C - 70°C (-4°F - 157.9°F)
Operating relative humidity	15 to 90% noncondensing
Auto shut off	150 seconds (if do not use.)

2. Components and Features



3. How to use Digital Torque Angle Adaptor

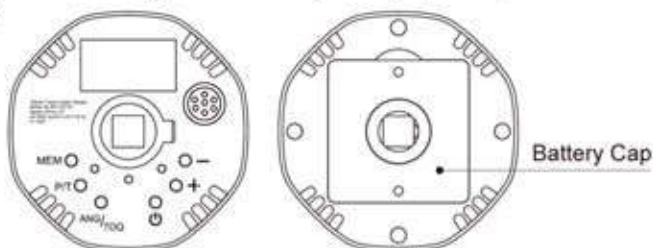
Do not press "M" and "⏻" button together please.

The system will enter into Calibration Mode.

Turn off power please.

3-1 Battery Install and Replacement.

1. AA x 2
2. Keep the end thread clean and dry for a good contact.
3. Open the battery cap.
4. Remove the old battery.
5. Install 2 pcs AA Battery in the housing. (with the "+" sign facing upwards).
6. Screw the battery cap.

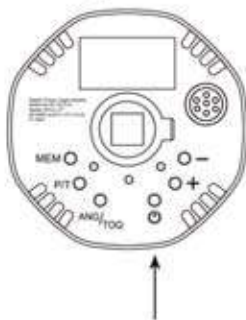


Note

1. When battery are low L.C.D will show "Lo".
2. Remove the battery if stored for a long period of time.
3. Battery life depends on battery quality and the amount of the lights and buzzer are used.
4. Typical life is up to 110 hours

3-2 Power On.

1. Press and release the "⏻" button to turn the adaptor on. The LCD panel shows "ErRCE".
2. After 2 seconds the L.C.D panel show "0.0".
3. Swing the ratchet.
4. The L.C.D displays the torque value measured.



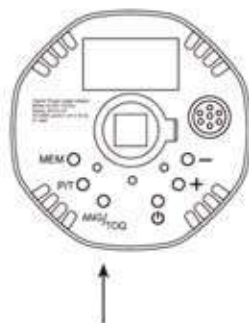
Note

If you do not use the ratchet for 150 seconds the digital angle adaptor will automatically shut off.

How to use Digital Torque Angle Adaptor

3-3 How to use Angle functions.

1. Place the adaptor on a flat surface.
2. Press and release "ANG/TOQ" button.



3. The L.C.D will show "0000.0".
4. The L.C.D will show : 0°
5. Swing the wrench.
6. The L.C.D displays the angle value measured.
(CCW: -5°, -6°,-20°...)(CW: 5°, 6°20°...)
7. Stop use digital torque angle adaptor when the degree reach you need.

3-4 How to set Target Angle Value

1. Increase (+):
 - 1-1: Press and hold the (+) button to increase the current target value.
 - 1-2: The target value will show for 10 seconds.
 - 1-3: After 10 seconds the L.C.D display "0°"
2. Lower (-):
 - 2-1: Press and hold the (-) button to increase the current target value.
 - 2-2: The target value will show for 10 seconds.
 - 2-3: After 10 seconds the L.C.D display "0°"

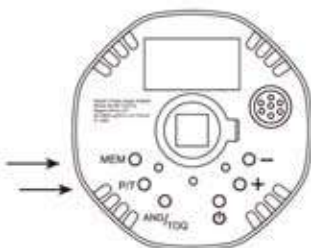
How to use Digital Torque Angle Adaptor

3-5 How to select "Unit".

Press "M" and "P/T" button together and release to select different torque units.

Note

1. When you change units the target setting will also be changed to the new units value.
2. This digital ratchet contains 3 unit selections. (kg-m, ft-lb, N-m).
3. 3 color LED light indicator.



3-6 How to use Preset function

1. Press "M" button, the L.C.D panel shows "P01" than "0.0" or another reading

To increase (+):

1. Press and hold the (+) button to increase the current target value.
2. L.C.D will show the reading.
3. Press and released "M" button please.
4. The pre-set value will be stored.

To decrease (-):

1. Press and hold the (-) button to lower the current target value.
2. L.C.D will show the reading.
3. Press and released "M" button please.
4. The pre-set value will be stored.

If you need to pre-set another reading, follow the first step please.
There are 10 sets of reading that can be stored.

Note 3 color LED light indicator

1.Green light:

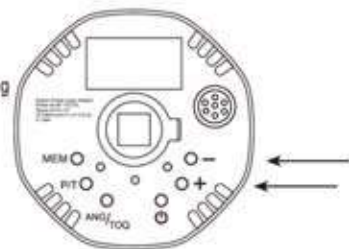
When you start to use digital torque angle adaptor the LED idicato will flash "green":.

2.Yellow light:

When you are approaching 20% before the target, you will see a flash "yellow"and hear an intermittent buzzer warring that the torque is close.

3.Red light:

When the target values is attained the LED will change "red" light and an buzzer will sound.

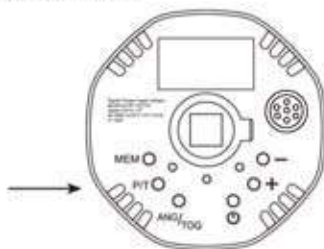


How to use Digital Torque Angle Adaptor

3-7 How to set "Peak" or "Track".

Peak :

1. Press and release "P/T" - button when the digital adaptor is on.
2. The L.C.D panel shows "PtoP".
3. The L.C.D panel shows 0.0 after 2 seconds.



Track :

1. Press and release "P/T" - button when the digital adaptor is on.
2. The L.C.D panel shows "TrACE".
3. The L.C.D panel shows 0.0 after 2 seconds.

How to use Digital Torque Angle Adaptor

3-8 Turn Off.

1. If you do not use the adaptor for 150 seconds the digital adaptor will automatically shut off.
2. To manually turn off the digital adaptor press "⏻" button for 3 seconds then release.

Important Safeguards



Do not press "M" and " ⏻ " button together please.
The system will enter into Calibration Mode.
Turn off power please.

- Store in a clean, dry place.
- Use a soft, dry, clean cloth clean the adaptor and L.C.D panel.
- Basic safety precautions should be observed especially when using the adaptor on or near children and disabled persons.
- Never submerge the adaptor in water or any other liquid.
- Never clean the ratchet with organic solvents.
- Use the adaptor only for the intended use described in this manual.
- Do not exceed the permitted torque value for the adaptor.
- Do not use the adaptor if it is not working properly, or if it has suffered any damage.
- Do not disassemble the digital adaptor .
- Do not expose the adaptor to extreme temperature, humidity direct sunlight or shock violently.
- Do not shake or shock.
- To ensure accurate measurement periodic recalibration is necessary.

