

## DIGITAL TORQUE WRENCH WITH ANGLE SETTINGS



### Information

- Professional workshop grade torque wrench suitable for daily use.
- Includes a built in LCD read out with LED, sound and vibration alarms to indicate correct torque levels.

### Precautions

- Always wear safety gear.
- Working in a clean and safe environment.
- This task should be carried out by trained personnel.
- Make sure to consult manufacturers manual.
- Do NOT use with air tools.

### **How to use Digital Torque Wrench**

Battery Install and Replacement.

1. AAx 3 pcs
2. Keep the end thread clean and dry for a good contact.
3. Open the battery cap.
4. Remove the old batteries.
5. Install 3 pcs AAA Batteries in the handle (with the "+" sign facing upwards).



1. When batteries are low a "🔋" icon will light.
2. Remove the batteries if stored for a long period of time.
3. Battery life depends of battery quality and the amount of the lights and buzzer are used.
4. Typical life is up to 110 hours.

E) Power On.

1. Press and release the "⏻" button to turn the wrench on. The LCD panel shows "Er ACE".



2. After 2 seconds the L.C.D panel show "0.0".
  3. Swing the Wrench.
  4. The L.C.D shows the torque value measured.
- If you do not use the wrench for 60 seconds the wrench will automatically shut off.

### **How to use Pre-set function.**

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. LCD will show the reading.

3. Press and release "M" button.

4. The first pre-set value is stored.

To: Lower [-]: 1. Press and hold the [-] button to lower the current target value.

2. The target will show for 10 seconds.

3. After 10 seconds the LCD display 0.0

4. The first pre-set value is stored.



If need to Pre-set another reading, follow the first point.  
There 10 sets of reading can stored.

### **How to select Unit.**

Press “M” and “PIT” button together and release to select different torque units.



1. When you change units the target setting will also be changed to the new units value.
2. This digital torque wrench contains 4 unit selections.
3. [kg-m , in-lb, ft-lb, N-m].

### **How to set Target Torque Value**



1. Increase [+]: 1. Press and hold the [+] button to increase the current target value.
2. The target will show for 10 seconds.
3. After 10 seconds the LCD display 0.0.
2. lower[-]: 1. Press and hold the[-] button to lower the current target value.
2. The target will show for 10 seconds.
3. After 10 seconds the LCD display 0.0
1. When you change unit the target setting will also be changed to the new units value.
2. This digital torque wrench contains 4 unit selections.
3. [kg-cm, in-lb, ft-lb, N-m].

### **How to set Peak or Trace**

Peak:

1. Press and release “PIT” button when the wrench is on.
2. The L.C.D panel shows “PtoP”.
3. The L.C.D panel shows 00.0 after 2 seconds.



Trace:

1. Press and release “PIT” button when the wrench 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 Angle functions.**

There are two modes display of torque and angle reading built in this digital torque and angle functions wrench:

#### **1. Torque and Angle:**

Simultaneous display of Torque and Angle reading: 1. When the target torque reading has reached, (mode should be under the "PtoP").

2. Place the digital torque wrench on a flat surface.

3. Press and release "Angle" button and The L.C.D will show 0° and "PtoP" reading

4. Wait for 5 seconds please.

5. Hold the centre of the handle and swing the wrench The L.C.D shows the angle and torque value measured.

6. Stop using digital torque wrench when the degree is reached.

#### **2. Torque then Angle:**

Flashing display of Torque and Angle reading:

1. After used Simultaneous function.

2. Place the digital torque wrench on a flat surface.

3. Press and release "Angle" button and The L.C.D will show 0° and Ptop reading

4. Wait for 5 seconds please

5. Hold the centre of the handle and swing the wrench The L.C.D shows the angle when angle value is reached.

Then the L.C.D will flashing 6. Stop using digital torque wrench when the degree is reached.

Note

1. The angle reading measured can be accumulated, when used in limited Space.

### **Turn Off.**

1. If you do not use the wrench for 60 seconds the wrench will automatically shut off.

2. To manually turn off the wrench press and release the "⏻" button.

### **Memory Save:**

A: Torque reading:

1: To store a torque reading, have the Digital Torque wrench in "Peak" mode. (Press P/T button please.)

2: When you use it, the wrench can store the reading automatically.

3: Each pre -set can save 10 sets of reading.

B: Angle reading:

1: When angle / torque reading zero reset, the wrench can store the angle / torque reading automatically.

2: This torque wrench stores 50 sets memory of angle / torque reading.



Memory Recall:

A: Torque reading: 1. To display the stored reading. Press and release "M" button till preset no. shows on the L.C.D required. (for example :M1, M2, M3.....M0).

2. Press and release "M" & "+" button together L.C.D will show "r01" then reading

[Note: top right of L.C.D will show "P/T"]

3. Press "+" the memory no. will Up "r01", "r02"....."r10".

4. Press "-" the memory no. will Down "r10", "r09", "r07"...."r01"

5. "r01" is the oldest memory. "r10" is the last.

6. Press and release "M" & "+" button together back to Torque function.

[Note: top right of L.C.D will show "P"]

7. Normal mode stores the last torque reading.

B: Angle reading; 1. To display the stored reading. Press "M" & [ + ] button together L.C.D will show "r01" then reading

[Note: top right of L.C.D will show "P/T"]

2. Press "+" the memory no. will Up " r01", "r02"....."r10".

3. Press "-" the memory no. will Down "r10", "r09", "r07"...."r01"

4. "r01" is the oldest memory. "r10" is the last.

5. "r01" is the oldest memory. "r50" is the last.

## Contents

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- Designed with an angle mode making angle gauges redundant saving time and producing accurate results. Cumulative angle measurements for use when space is limited.
- Space for upto 5 user presets.
- Reversible with 72tooth ratchet.
- Supplied with test certificate.
  
- Torque: 40 - 200 Nm
- Length: 650 mm
- Drive 1/2"
- Angle Range 0-360°
- Accuracy: +/- 2%
- Resolution: 0.1Nm°(0.1lb-ft)
- Preset: 10
- Memory (Torque): 100(10memory for each preset)
- Memory (Angle): 50
- Measurements Unit: (Nm. Lb-ft. In-ft. Kg-m)
- Mode: Trace / Peak
- Indicators: LED°& Buzzer
- Battery 3pcs \* AAA
- Auto shut off: 60seconds
- Operating ambient temperature:-10°C-60 °C °F-139.9 °F]
- Storage temperature: -20 °C -70 °C [-4 °F-57.9 °F]
- Operating relative humidity: 15-90% noncondensing

## Warranty

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If you are unsure on how to use the item please contact us. If it were to fail due to a manufacturing fault or poor workmanship we will repair or replace it. Please contact your local dealer in the event you need to send the item back. You can also make a repair/replacement request on our website and download & complete the form online. Normal wear and tear along with misuse will void any warranty. Consumables are not covered under warranty.

[www.welzh.com](http://www.welzh.com)

Limited **12 month** warranty



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