# Kamasa-TOOLS®

# Digital Torque Wrench

CE

Thank you for purchasing this Kamasa Tools Digital Torque Wrench
Before attempting to use the unit, please read this instruction booklet carefully.

# 4.Important Safeguards

⚠️

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

■ Store in a clean, dry place.
■ Use a soft, dry, clean cloth clean the Wrench and L.C.D panel.
■ Basic safty precautions should be observed especially when using the wrench on or near
   children and disabled presons.
■ Never submerge the wrench in water or any other liquid.
■ Never clean the wrench with organic solvents.
■ Use the wrench only for the intended use described in this manual.
■ Do not exceed the permitted torque value for the wrench.
■ Do not use the wrench if it is not working properly, or if it has suffered any damage.
■ Do not disassemble the Wrench.
■ Do not expose the wrench to extreme temperature, humidity direct sunlight or shock
   violently.
■ Do not shake or shock.
■ To ensure accurate measurement periodic recalibration is necessary.
■ We recommend "Annual Calibration" to maintain product's accuracy

# Digital Torque Wrench

Thank you for choosing Kamasa Tools digital torque wrench. Please read instruction carefully before using. You will find this Kamasa Tools Digital Torque Wrench easy to use. Turn it on and apply the Digital Torque Wrench.

## CONTENTS

# 1. Product Specifications

## Model No.: 2750

| | |
|---|---|
| Accuracy | ±2% |
| Memory | 50 |
| Display resolution | 0.1 |
| Display Range | 27-135 N-m (14.7 ~ 99.6lb-ft) |
| Drive | 3/8 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-cm, kg-m, lb-in, lb-ft, N-m |
| Length | 480mm |
| Weight | 1.6 kg |
| Gear Teeth | 36 |
| Key | 6 |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°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 | 80 seconds (if do not use wrench.) |

## Model No.: 2751

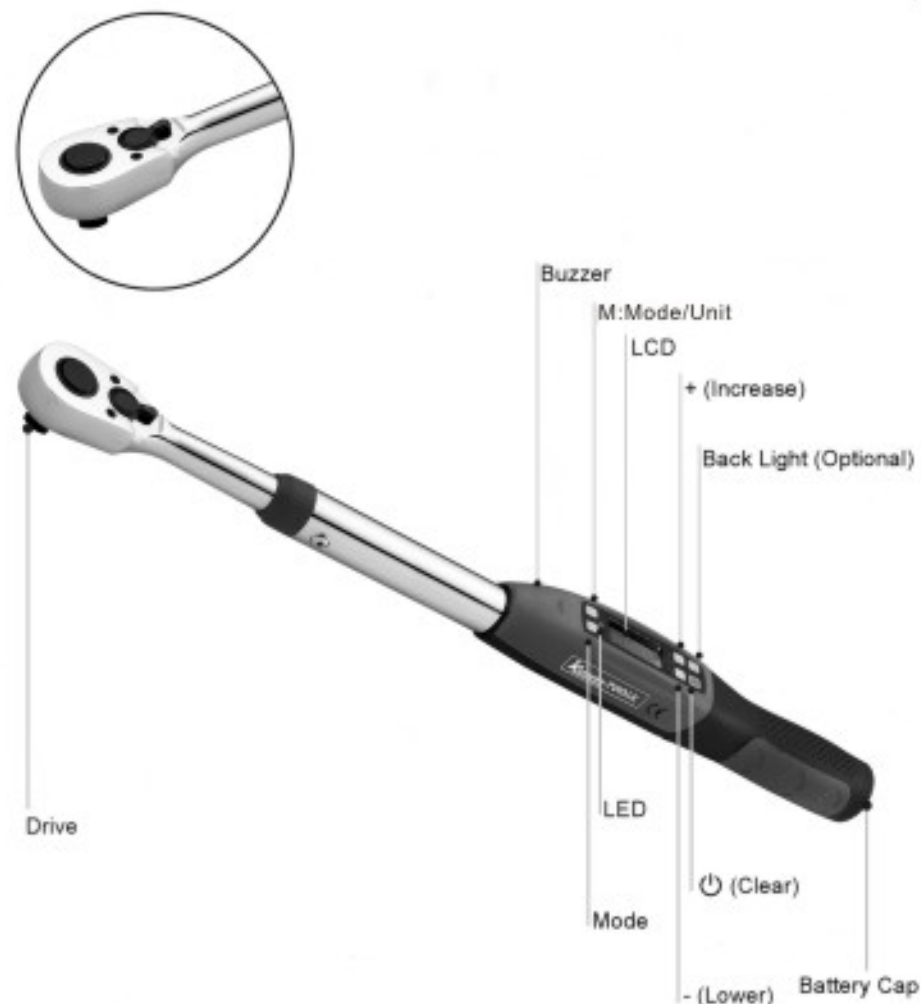| | |
|---|---|
| Accuracy | ±2% |
| Memory | 50 |
| Display resolution | 0.1 |
| Display Range | 27-135 N-m (14.7 ~ 99.6lb-ft) |
| Drive | 1/2 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-cm, kg-m, lb-in, lb-ft, N-m |
| Length | 480mm |
| Weight | 1.6 kg |
| Gear Teeth | 36 |
| Key | 6 |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°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 | 80 seconds (if do not use wrench.) |

# 1. Product Specifications

## Model No.: 2752

| | |
|---|---|
| Accuracy | ±2% |
| Memory | 50 |
| Display resolution | 0.1 |
| Display Range | 40-200 N-m (29.5 ~ 147.5lb-ft) |
| Drive | 1/2 inches |
| Operation Mode | Peak/Track |
| Unit Selection | kg-cm, kg-m, lb-in, lb-ft, N-m |
| Length | 530mm |
| Weight | 1.7 kg |
| Gear Teeth | 36 |
| Key | 6 |
| Battery | AA x 2 |
| Battery Life | 110hrs (continuous operation) |
| Operating Ambient Temperature | -10°C - 60°C (13.9°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 | 80 seconds (if do not use wrench.) |

# 2. Components and Features

Buzzer

M:Mode/Unit

LCD

+ (Increase)

Back Light (Optional)

Drive

LED

⏻ (Clear)

Mode

- (Lower)

Battery Cap

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

**3-1** Battery Install and Replacement.

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

Battery Cap

6. Screw the battery cap.

OPEN ➡ ➡ ➡ CLOSE

**Note**

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 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 wrench on. The LCD panel shows "ᵗᵣ ᴿᶜᴱ".

2. After 2 seconds the L.C.D panel show "00.0".
3. Swing the Wrench.
4. The L.C.D displays the torque value measured.

**Note**

If you do not use the wrench for 80 seconds the wrench will automatically shut off.

**3-3** How to select "Unit"

Press "M" and "Mod" 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 electronic torque wrench contains 5 unit selections.
   (kg-cm, kg-m, in-lb, ft-lb, N-m).

**3-4** How to select "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 0.00.

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 0.00.

**Note**

1. When you are approaching 20 unit before the target you will see a flash of red light and hear an intermittent buzzer warring you that you are approaching the torque value.
2. When you are target value you will see red light and hear buzzer. Stop pulling.

**3-5** How to set "Peak"or"Track".

**Peak :**

1. Press and release "Mod" - button when the wrench is on.
2. The L.C.D panel shows " PŁoP ".
3. The L.C.D panel shows 00.0 after 2 seconds.



**Track :**

1. Press and release "Mod" - button when the wrench is on.
2. The L.C.D panel shows " Łr RCE ".
3. The L.C.D panel shows 0.00 after 2 seconds.

**3-6** L.C.D backlight.(Optional)

On: Press and release the " ☼ " button.
Off: Press and release the " ☼ " button one more time.



**3-7** Turn Off.

1. If you do not use the wrench for 80 seconds the wrench will automatically shut off.
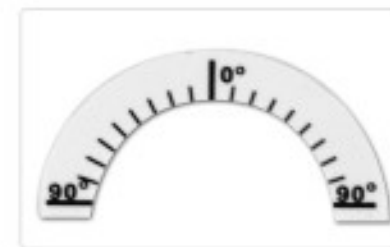2. To manually turn off the wrench press and release the " ⏻" button.



**3-8** Memory

1. To display this stored readings. The digital trorque wrench must be turned on.
2. Press "M" button at least 1 second and release.
3. The displeay show the memory number is "P01" than "Torque Value"
4. Press "M" button at least 1  second one more time.
5. The displeay show the memory number is "P02" than "Torque Value"
6. "P01" is the latest reading, "P50" would be the oldest.



**Note**

1. This Digital Torque Wrench stores the last 50 torque value readings.

**3-9** Angle Scale



1.please well clean lubricant or oil on the tool surface
2. find sticker of "Angular scale"
3.to level at degree of "0" with marking "arrow"