

**Kamasa-TOOLS®**

Digital  
torque wrench

K 2750  
K 2751  
K 2752



CE

Thank you for purchasing this Kamasa Tools Digital Torque Wrench. We strongly advise you to spare a few minutes to read this manual carefully before you start using the tool.

## **CONTENT**

Safety and precaution

Product specification

Componets and features

Operation instructions

Parts list

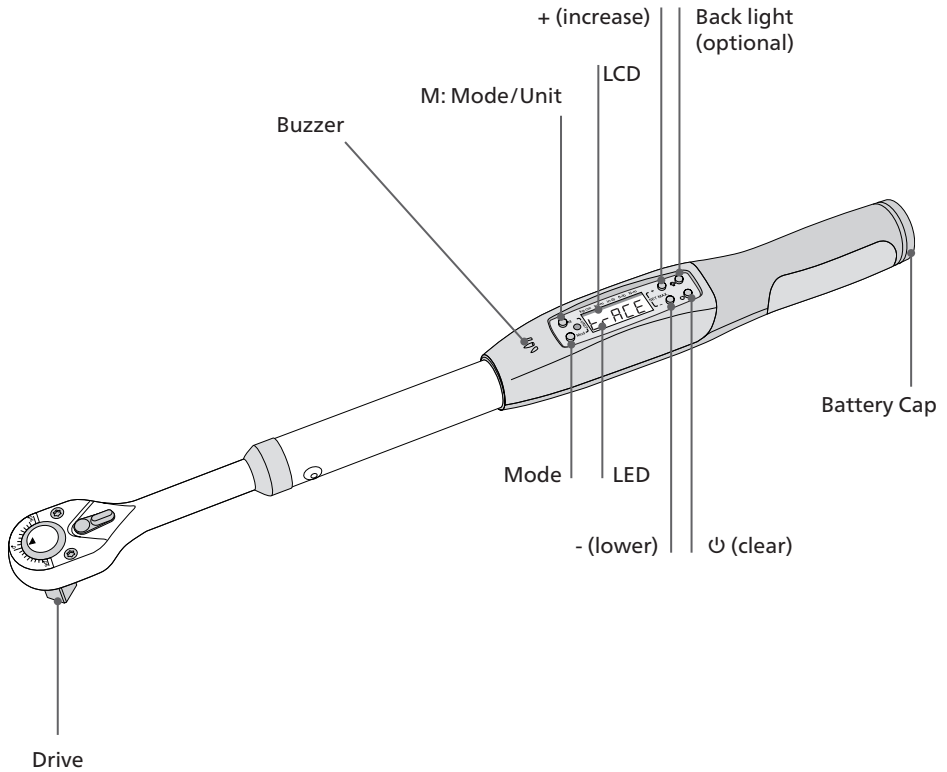
## **SAFETY AND PRECAUTION**

- 1 Store in a clean, dry place.
- 2 Use a soft, dry, clean cloth to clean the wrench and LCD panel.
- 3 Never submerge the wrench in water or any other liquid.
- 4 Never clean the wrench with organic solvent.
- 5 Use the wrench only for the intended use described in this manual.
- 6 Do not exceed the permitted torque value for the wrench.
- 7 Do not use the wrench if it is not working properly, or if it has suffered any damage.
- 8 Do not disassemble the wrench.
- 9 Do not expose the wrench to extreme temperature, humidity direct sunlight or shock violently.
- 10 Do not shake or shock.
- 11 We recommend "Annual calibration" to maintain product's accuracy.
- 12 Always follow instructions provided by the vehicle/machine manufacturer.

## PRODUCT SPECIFICATION

	K 2750	K 2751	K 2752
Accuracy	±2%		
Memory	50		
Display resolution	0.1		
Display range	27-135 N-m (19.9 ~99.6 lb-ft)		40-200 N-m (29.5 ~147.5 lb-ft)
Drive	3/8 inches	1/2 inches	
Operation mode	Peak/Track		
Unit selection	kg-cm, kg-m, lb-in, lb-ft, N-m		
Length	480 mm		530 mm
Weight	1.6 kg		1.7 kg
Gear teeth	36		
Key	6		
Battery	AAx2		
Battery life	110 hrs (continuous operation)		
Operating ambient temperature	-10°-60°C (13.9°-139.9°F)		
Storage temperature	-20°-70°C (-4°-157.9°F)		
Operating relative humidity	15 to 90% noncondensing		
Auto shut off	80 seconds (if do not use wrench)		

# COMPONENTS AND FEATURES

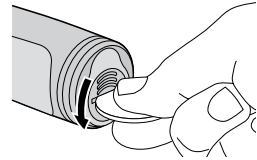



## OPERATION INSTRUCTIONS

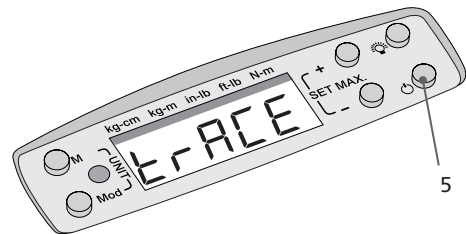
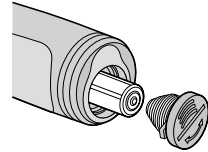
Do not press M and  $\odot$  button at the same time, the system will enter calibration mode.

### BATTERY INSTALLATION AND REPLACEMENT

- 1 AAx2pcs
- 2 Keep the end tread clean and dry for good contact
- 3 Open the battery cap
- 4 Remove old batteries
- 5 Install 2xAA batteries in the handle (with the "+" mark facing upwards)
- 6 Screw the battery cap back in place



**Note:** When batteries are low, an  icon will light. Remove the batteries if stored for a long time. Battery life depends on battery quality and the amount of the lights and buzzer are used. Typical life is up to 110 hours.



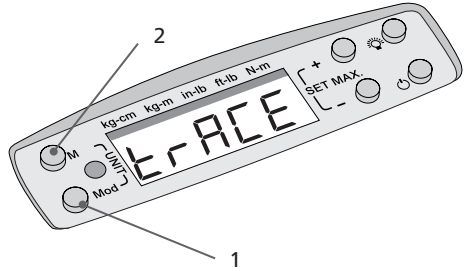
### START UP

- 1 Press  $\odot$  (5) button to turn the wrench on. The LCD display shows (tr ACE) as illustrated in picture above.
- 2 After 2 seconds the LCD display will show 00.0
- 3 Turn the wrench to the desired torque shown on the display

**Note:** If you do not use the wrench for 80 seconds, the wrench will automatically shut off.

## SELECTION OF TORQUE UNIT ON THE DISPLAY

- 1 This electronic torque wrench contains 5 unit selections (kg-cm, kg-m, lb-in, lb-ft, N-m).
- 2 Press "M" (2) and "Mod" (1) buttons at the same time and release to select different torque units. Repeat to move the indicator on the display to the preferred unit.

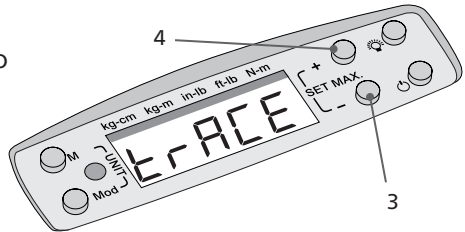


**Note:** When you change units the target setting will also be changed to the new unit value.

## HOW TO SELECT TARGET TORQUE VALUE

### Increase (+)

- 1 Press and hold the (+) button (4) to increase the current target value.
- 2 The target will show for 10 seconds.
- 3 After 10 seconds the LCD display shows 0.0.



### Lower (-)

- 1 Press and hold the (-) button (3) to decrease the current target value.
- 2 The target will show for 10 seconds.
- 3 After 10 seconds the LCD display shows 0.0.

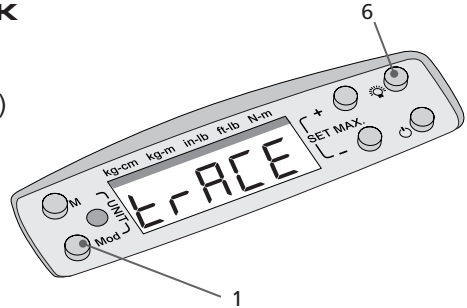
## HOW TO REACH TARGET TORQUE VALUE

- 1 Start pulling the handle in a smooth and slow motion.
- 2 When you are approaching 20% before the target you will see a flash of red light and hear an intermittent buzz warning you that you are approaching the torque value.
- 3 When target value is reached, you will see red light and hear a buzz. Stop pulling.

## HOW TO SET PEAK OR TRACK

### Peak:



- 1 Press and release "Mod" button (1) when the wrench is on.
- 2 The LCD panel shows (PtoP).
- 3 The LCD panel shows 0.0 after 2 seconds.



### Track:

- 1 Press and release "Mod" button (1) when the wrench is on.
- 2 The LCD panel shows (trACE) as illustrated in picture above.
- 3 The LCD panel shows 0.0 after 2 seconds.

## LCD BACKLIGHT

- 1 On: Press and release the  button (6).
- 2 Off: Press and release the  button one more time.

## MEMORY

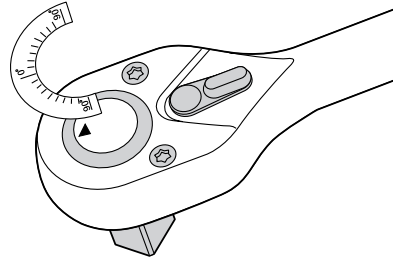
- 1 To display the stored readings, turn on the torque wrench (⏻)
- 2 Press "M" button (1) at least 1 second and release.
- 3 The display show the memory number "P01" then the torque value.
- 4 Press "M" button once more, "P02" and next torque value is shown.
- 5 "P01" is the latest reading, "P50" is the oldest.

## 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.

**ANGLE SCALE**

- 1 Make sure the surface is free of dirt or oil before attaching the sticker.
- 2 Turn the square drive until the arrow on the release button is pointing upwards, it is critical that the arrow is pointing exact.
- 3 Attach the sticker as shown in the illustration.



To use the angle scale, point the arrow on 0°. Put the wrench on the nut/ screw and thoroughly register where the handle is located. Turn the wrench to estimated angle, then return the wrench to the starting position. Now the turned angle can be read.

**PARTS LIST**

For this tool a repair set including all parts in the ratchet mechanism is available:

- KR 2750 for K 2750
- KR 2751 for K 2751
- KR 2752 for K 2751

