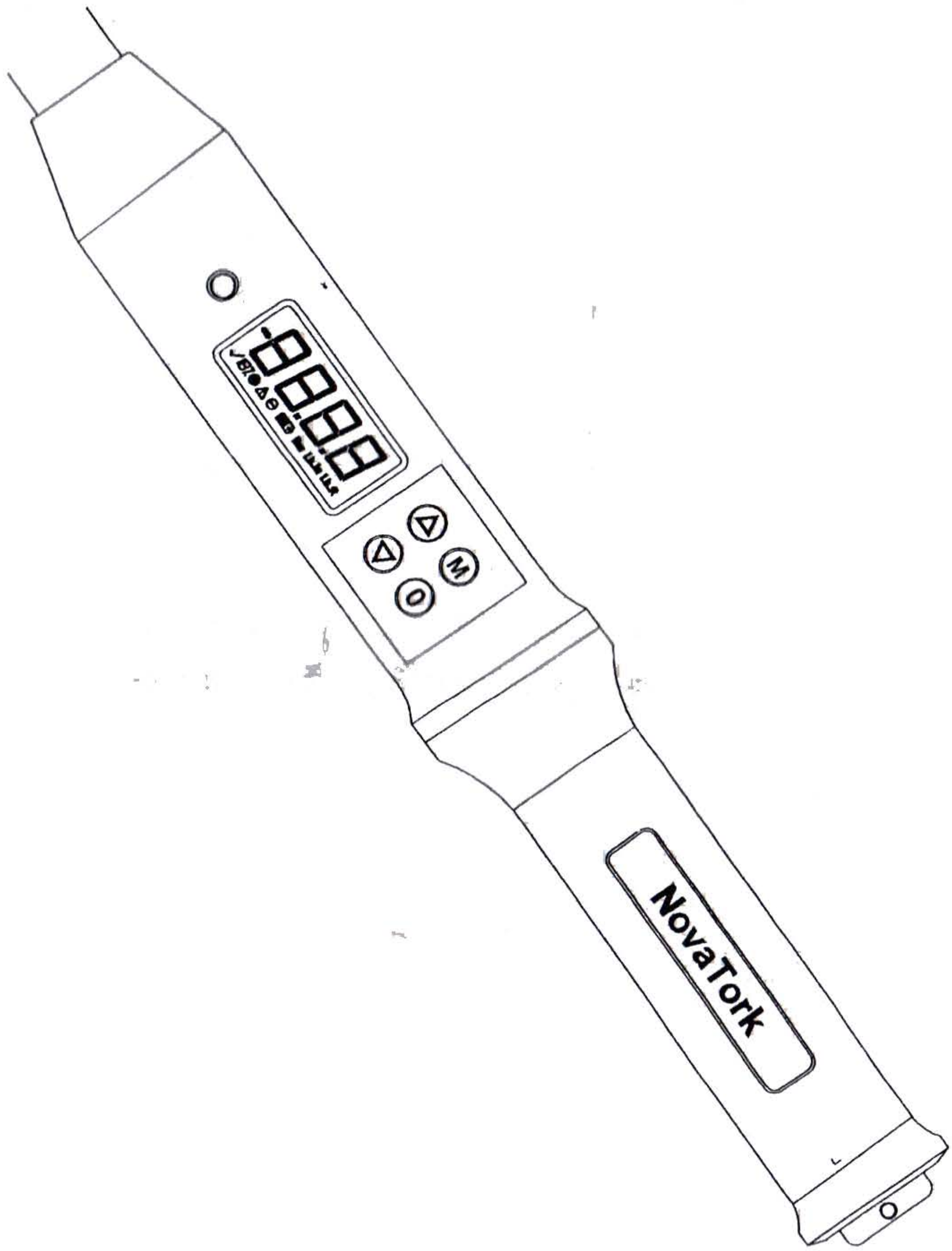
# NovaTork®

## Electronic Torque Wrenches




# OPERATING INSTRUCTIONS

# Read Before You Use

1. Electronic torque wrench is a precision instrument intended to be used only to tighten screws, bolts and nuts to a desired torque.Easy operation to set torque and select unit.Audible buzzer and LED indicates when target torque is reached,torque overload and low power.

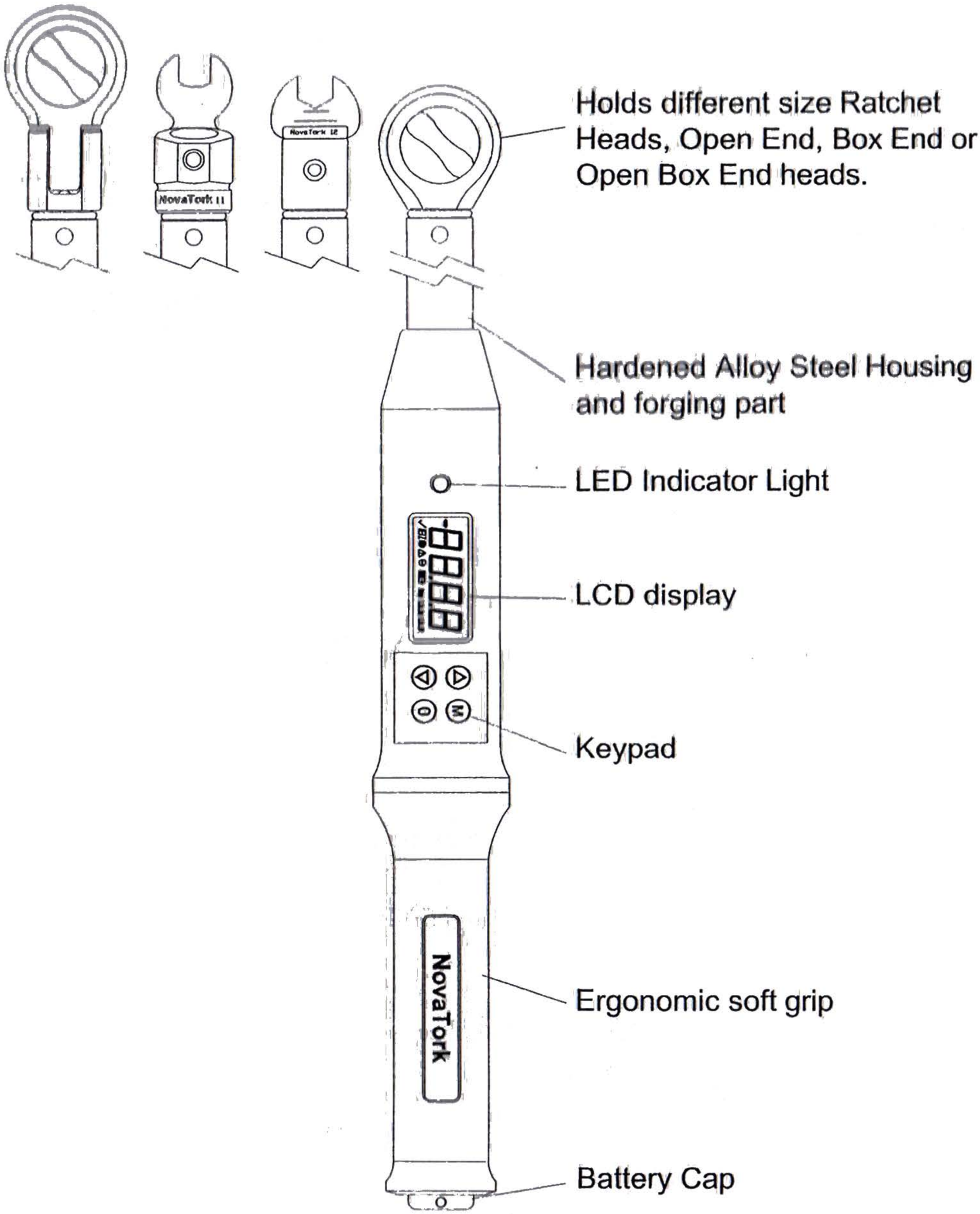
2. Do not use it as a "nut breaker", pry bar, hammer, or in lieu of a regular ratchet wrench.

3. Do not apply torque in excess of the maximum capacity of the wrench. Apply load on the grip only, and do not use any handle extension bars (a piece of pipe put over the grip). Head holder torque wrench should be used with appropriate drive heads.If using special heads,please set torque as formula on page 7.

4. Make sure that you adjust the wrench to the exact torque units your specifications call for, or you will severely under-torque or over-torque, causing severe damage to the equipment you are working on.

5. Do not disassemble the wrench for any reason. Precision mechanical and electronic components can be damaged making the wrench inoperable.

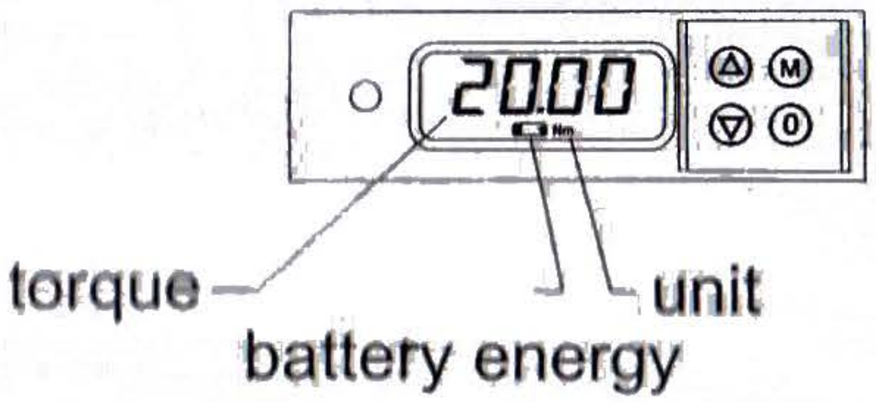
6. The wrench should be re-calibrated periodically. The calibration of the wrench should be checked at least once a year, after any abnormal handling or overloading, or after 5,000 cycles .


Holds different size Ratchet Heads, Open End, Box End or Open Box End heads.
Hardened Alloy Steel Housing and forging part
LED Indicator Light
LCD display
Keypad
Ergonomic soft grip
Battery Cap
NovaTork

# Torque Setting

1. Turn the wrench on：

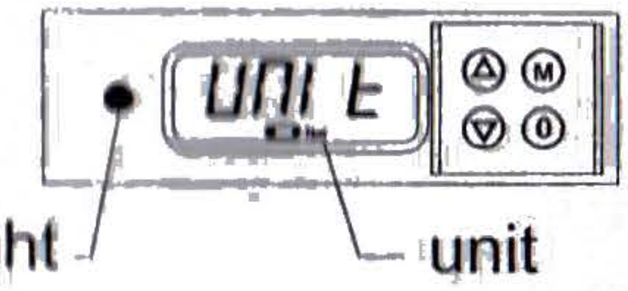
Press "O"key. Display shows the set torque value and unit.




2. Select torque units：

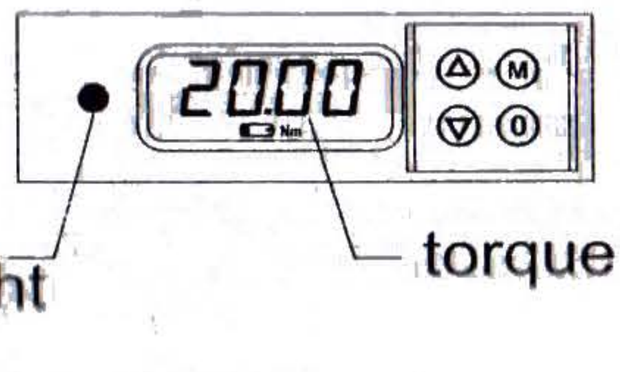
Press "M" key（signal light turns on） to show "UNIT", then press "△" or "▽" to desired units.

Available unit： Nm, Lb.ft,Lb.in




3. Set torque：

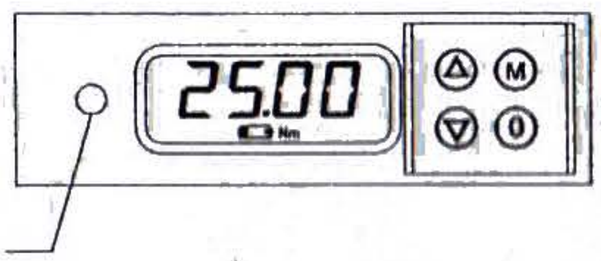
Press "M" again to show torque value, for example: "20.00"， then press "△" or "▽" to target torque.Press and hold"△"or "▽" to reach target torque faster.




4. Confirm settings：

Prese "M" once more to confirm the settings.

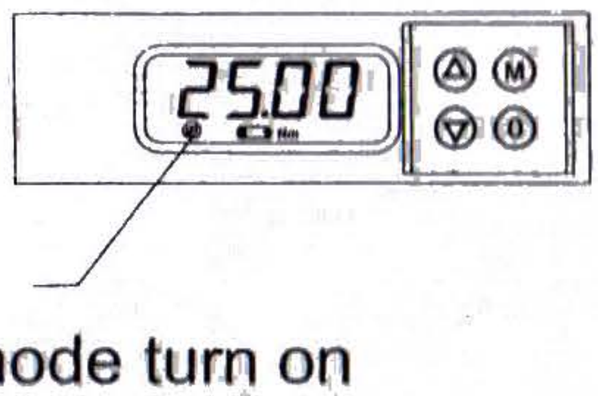
Signal light turn off and display shows selected torque and units.




5. Set track mode：

Press"△" for one second to turn on track mode,

Press"▽" for one second to turn off track mode.




6. Turn backlight on or off light：

Press″△″ for 3 seconds to turn on the backlight;

Press″▽″ for 3 seconds to turn off the backlight.

# OPERATING INSTRUCTIONS

1. Apply Torque：

① Yellow LED and beep sound indicates target torque is near 10%- slow down applying torque.

② Flashing green LED and beep sound indicates target torque is within 2% - stop applying torque.

③ Red LED indicates when exceeds target torque 2%.

④ Red LED and beep sound indicates when torque exceeds target torque by 3% or more.

Since there is a natural tendency to overtorque, you should stop at some point in between the flashing red LED and steady red LED. Results will vary according to torque setting, experience, and between operators.

2. Read the applied Torque

① The maximum torque reached and % deviation from the target torque,as well as LED of appropriate color will flash.

Green:deviation between-2% and +2%

Yellow:deviation below -2% (no indication if below -17%）。

Red:deviation over +2%（no indication if over +17%）。

② Press 0 key to cancel the torque reading. Target torque and torque units will remain as selected.

3. Turn wrench Off：

① If wrench is not used for approx. 2 minutes, it will turn itself off automatically.

② Press"O" key for three seconds to turn the wrench off manually.

## SAFETY WARNING

Overtorqued or defective fasteners, sockets, as well as the wrench itself, may suddenly break causing you to lose balance, fall, or to suffer other trauma. Be sure that you have firm footing, are properly balanced, and if necessary are using appropriate harness, back support, or other safety device.

## MAINTANANCE

1. When not in use store the wrench in the provided case.
2. Remove batteries from the wrench when not in use for more than a month.
3. With the exception of the ratchet mechanism, do not lubricate the wrench. The ratchet mechanism may be lubricated as needed with a few drops of light machine oil.
4. Do not use acetone or other solvents to clean the wrench, use window cleaner or denatured alcohol applied with a clean cloth instead.
5. With the exception of the ratchet mechanism, there are no user-serviceable parts. Do not disassemble the torque wrench for any reason. When service is needed, send the wrench to the nearest factory-authorized service center.

## CERTIFICATION

This torque wrench is certified to have been calibrated prior to shipment to the accuracy of +/- 2% in the clockwise direction.