INSTRUCTION

●*Thank you for purchasing KOSO* ***mini thermometer,*** *please read the instruction throughly befor installing.*

⚠ Notice

1. *The LCD meter is apply for* ***CR 2032 (LCD display), DC 12V (Back light)****.*
2. *For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.*
3. *To avoid the short circuit, please don't pull the wire when installing. don't break or modify the wire terminal.*
4. *Do not disassemble or change any parts excluding the manual description.*
5. *The interior examination or maintenance should be executed by our professionals.*

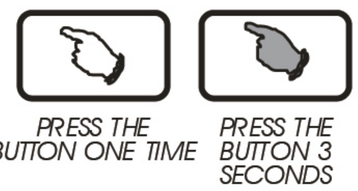
MARK MEANING:

NOTE *You could get the installation details from the information behind the mark.*

⚠ *Some processes must be followed to avoid the affection caused by wrong installation.*

⚠ WARNING! *Some processes must be followed to avoid damages to yourself or the public.*

⚠ CAUTION! *Some processes must be followed to avoid the damage to the vehicle.*



PRESS THE BUTTON ONE TIME

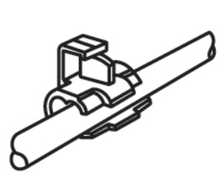
PRESS THE BUTTON 3 SECONDS

1 Accessory

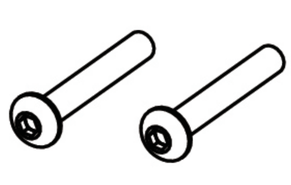
1 *LCD meter X1*

2 *Meter Cover X1*

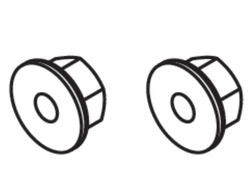
3 *Mid-way connect X2*



4 *M3 x L20 HEX socket set screw x2*

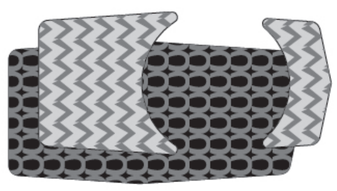


5 *M3 x P0.5 nut X2*



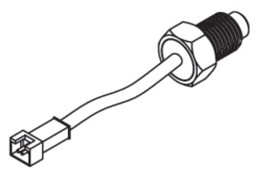
6 *Battery X1*

7 *Velcro X 1set*



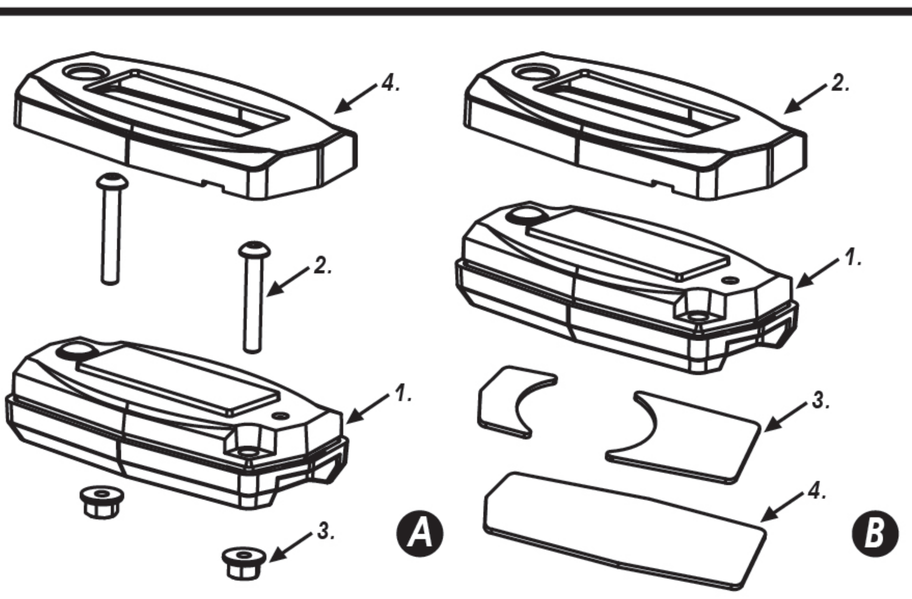
8 *Temp sensor wire set X2*

9 *PT 1/8water temp sensor X 2*



NOTE *Please contact the local distributor if the items you open are not the same, with the above-listed one.*

2-1 Installation instructions



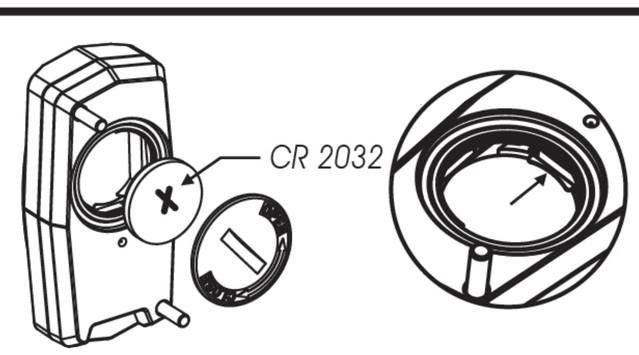
Follow those steps when installing.

A **1.***LCD meter (Accessory 1)*
2.*HEX socket set screw (Accessory 4)*
3.*Nut (Accessory 5)*
4.*Meter Cover (Accessory 2)*

B **1.***LCD meter (Accessory 1)*
2.*Meter Cover (Accessory 2)*
3.*Velcro–Male (Accessory 7)*
4.*Velcro–Female (Accessory 7)*

NOTE *Please choose either Method A or B according to your need to install.*

2-2 Battery installation instructions

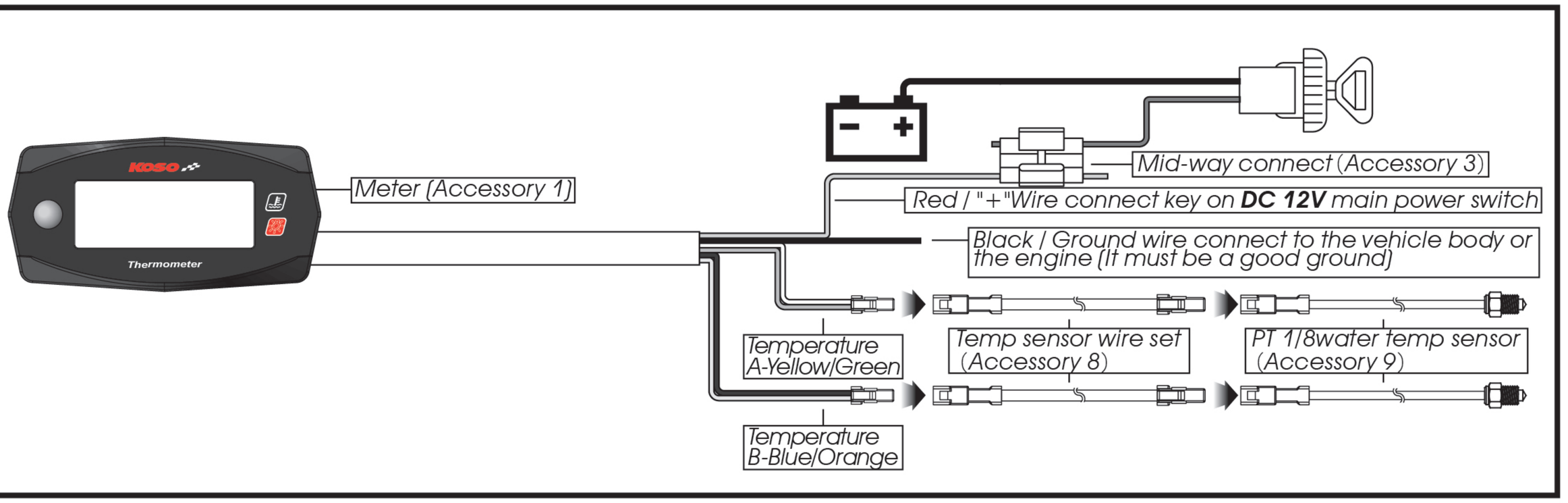


⚠ *Please change the battery when the meter is off!*

NOTE *Please follow the arrow direction to press before remove the battery.*

NOTE *If directly connect to the DC 12V power supply, please remove the CR 2032 battery inside the meter.*

2-3 Wiring installation instructions



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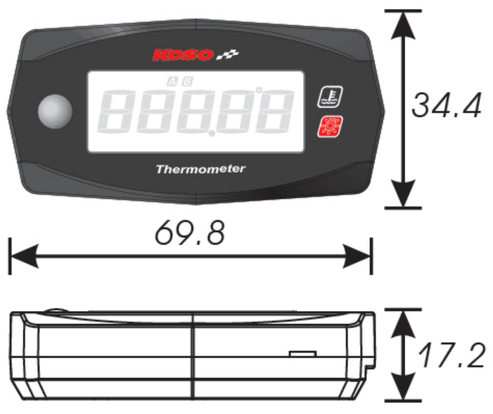
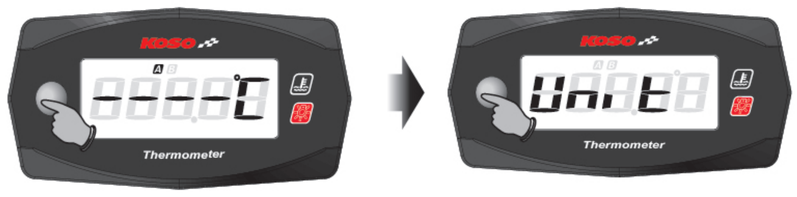
3 Basic function instruction



●Thermometer A,B	Display range: −25℃~250℃ (−13℉~482 ℉) Display unit: 0.1℃ (℉)
●Temperature Warning	Range: Settable temperature warning range. Display will flash when the temperature is higher than (or equals to)the setting value.
●Battery type	**CR 2032**
●Battery life time	About 230 H (when battery volume below 250 mAh)
●Effective temperature range	-10~60℃
●Meter standard	JIS D 0203
●Meter size	W69.8 X L34.4 X H17.2 mm
●Meter weight	Around 47.6g

NOTE Design and specifications are subject to change without notice!

4-1 Temperature Unit and Warning Range Setting Instruction



●Press and hold the button for 3 seconds to startup the meter.
●Keep pressing the button for another 3 seconds to enter the unit setting.
●Figure: It's current main screen for Temp. A

●Temperature Unit Setting: Press and hold the button for 3 seconds to enter the setting screen.

Press the button once shortly to enter the W-1 setting screen.

●Press the button once shortly to switch between Degree Celsius and Degree Fahrenheit.
●Press and hold the button for 3 seconds to return the unit setting screen.

●W-1 Setting Screen: Press and hold the button for 3 seconds to enter the setting screen.

Press the button once shortly to enter the W-2 setting screen.

●W-1 Setting: Press the button once shortly can adjust the value of the first digit.
●Press and hold the button for 3 seconds to enter the second digit adjustment.

●Press the button once shortly can adjust the value of the second digit.
●Press and hold the button for 3 seconds to enter the third digit adjustment.

●Press the button once shortly can adjust the value of the third digit.
●Press and hold the button for 3 seconds to return the W-1 screen.

●W-2 Setting Screen: Press and hold the button for 3 seconds to enter the setting screen.

●W-2 Setting: Press the button once shortly can adjust the value of the first digit.
●Press and hold the button for 3 seconds to enter the second digit adjustment.

●Press the button once shortly can adjust the value of the second digit.
●Press and hold the button for 3 seconds to enter the third digit adjustment.

●Press the button once shortly can adjust the value of the third digit.
●Press and hold the button for 3 seconds to return the Temp A main screen.

⚠WARNING! Please don't check the record during riding to avoid the accident.

NOTE W-1 represent the Temperature Warning Range A and W-2 represent the warning range B.

4-2 Instruction for Main Screen

●Figure: Current Screen for Temperature A.
Press the button once shortly to switch to the screen of Temperature B.

●Figure: Current Screen for Temperature B.
Press the button once shortly to switch to A,B Max Record.

●Figure: Temp. A MAX Record.

Switching automatically after 3 seconds.

●Figure: Temp. B MAX Record.

4-3 Battery installation instructions

●To erase the MAX record for Temp. A:
Press and hold the button for 3 seconds under Temp. A MAX Record screen to erase the record for Temp. A.

●To erase the MAX record for Temp. B:
Press and hold the button for 3 seconds under Temp. B MAX Record screen to erase the record for Temp. B.

OR

●Turn Off:
1. When using CR 2032 battery,press and hold the button for 3 seconds to turnthe meter off.
2. When using DC 12V power supply from the bike, the meter will automatically turn off while user turn the key off.

5 Trouble shooting

The following situation do not indicate malfunction of the meter.Please check the following before taking it in for repair.

Trouble-1	Check item	Trouble-2	Check item
The meter shows wrong information.	●Maybe the problem is caused by the insufficient power. →Please change the inner battery. ●Maybe the problem is caused by wrong battery installation. →Please check is the battery direction is correct.	Under the Key Off status, the meter screen doesn't go off.	●It's highli possible that the CR 2032 battery hasn't been removed. →Please press and hold the button for 3 seconds, and confirm whether the meter is turned off or not.

※If the problem couldn't be solved after above checking, please contact the local dealer or KOSO directly.

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