INSTRUCTION

●Thank you for purchasing mini 3 the meter（Air temperature＋Time＋Temperature）, before operating the unit, please read the instruction thoroughly and retain it for the future reference.

⚠ Notice

1. The meter works for **DC12V** only!
2. For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
3. Don't break or modify the wire terminal. To avoid the short circuit, please don't pull the wire when installing.
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:

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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
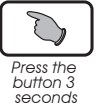
1-1 Accessory

1 Meter X 1

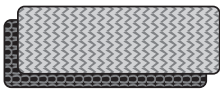**2** Temp sensor wire set X 1

3 Temp sensor X 1
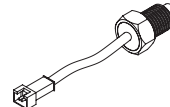
4 Mid-way connect X 3
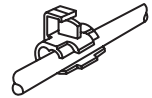
5 Velcro X 1 set

NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.
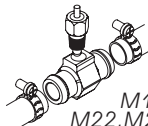
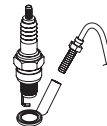## 1-2 Option accessory

1 Oil temp sensor adapter

M12 X P1.5 X 15L
M14 X P1.25 X 15L
M14 X P1.5 X 15L
M16 X P1.5 X 15L
M18 X P1.5 X 15L
M20 X P1.0 X 15L
M20 X P1.5 X 15L

2 Water temp sensor adapter

M14
M16.M18
M22.M26 mm

3 Cylinder head temp sensor

M10.
M14 mm

4 Temp sensor
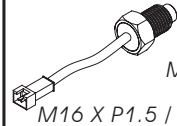
M10 X P1.0
M12 X P1.5
M14 X P1.25
M14 X P1.5
M16 X P1.5 / M18 X P1.5

NOTE Some of the option accessories may not sell. For the details, please contact the local distributor.

2 Wiring installation instructions

⚠**WARNING!** Temperature sensor is Wrapped in the tube. Please do not cut the tube to prevent the failure of the sensor.

Red / Postive pole (Connect to the battery **DC 12V**)

Brown / "+"Wire connect key on **DC 12V** main power switch

Meter (Accessory 1)

Temp sensor wire set (Accessory 2)

Temp sensor (Accessory 3)

Black / Ground wire connect to the vehicle body or the engine (It must be a good ground)

wh003ba58a

3 | Function instruction
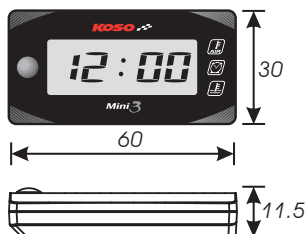
●Air temperature	Display range: -40~120°C (-40~248°F)
	Display unit: °C. °F for alternative
●Clock	24H
●Temperature	Display range: -30~120°C (-22~248°F)
	Display unit: 0.1°C (°F)
●Effective voltage	**DC 12V**
●Effective temperature range	-10~60°C
●Meter standard	JIS D 0203 S2
●Meter size	W60 X L30 X H11.5 mm
●Meter weight	Around 22g

NOTE Design and specifications are subject to change without notice!

4 | The setting screen instruction

● In clock screen, press the button one time to enter the temperature screen.
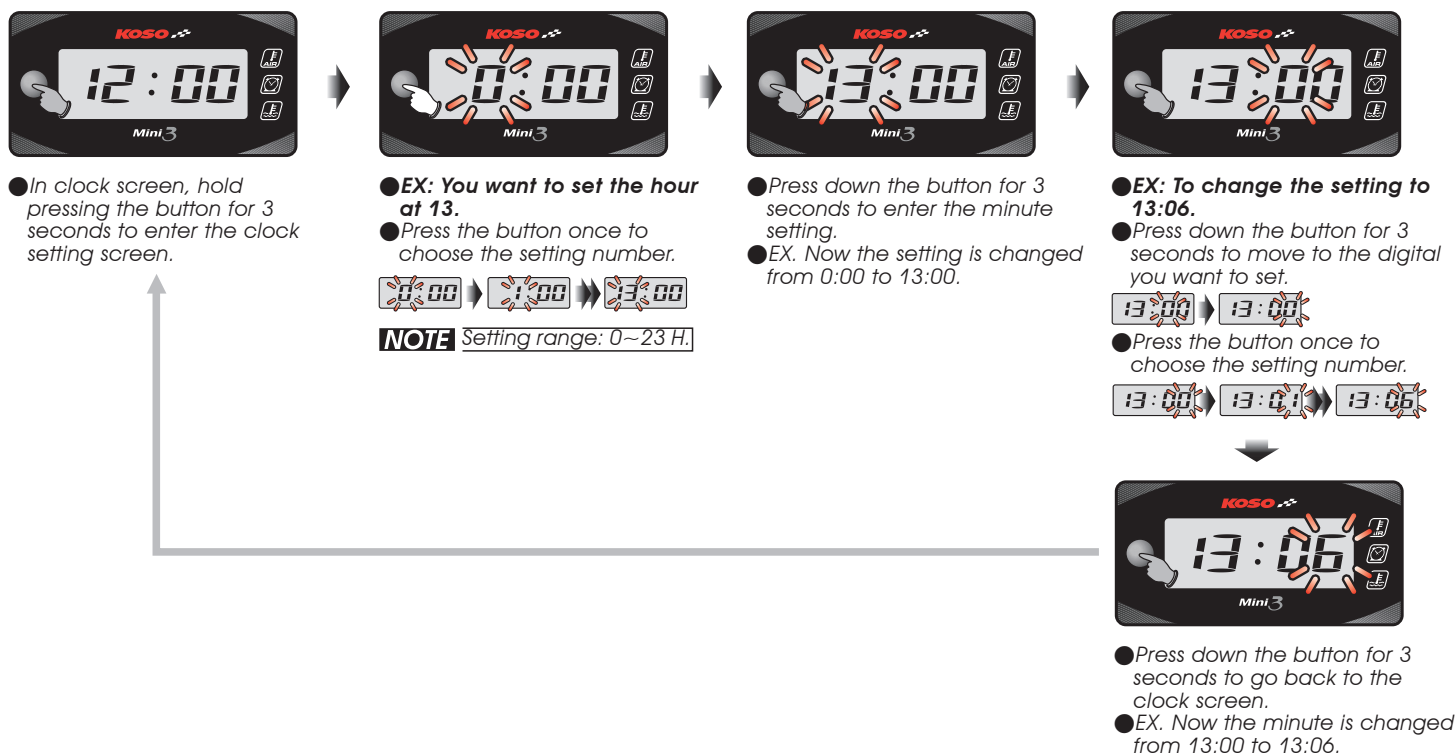● Hold pressing the button for 3 seconds to enter the clock setting screen (Check section **5** for detail).

● In temperature screen, press the button one time to enter the air temperature screen.
● Hold pressing the button for 3 seconds to switch between the °C and °F.

NOTE Setting unit: °C or °F.

● In air temperature screen, press the button one time to go back to the clock screen.
● Hold pressing the button for 3 seconds to switch between the °C and °F.

NOTE Setting unit: °C or °F.

5 | The clock setting

● In clock screen, hold pressing the button for 3 seconds to enter the clock setting screen.

● **EX: You want to set the hour at 13.**
● Press the button once to choose the setting number.

NOTE Setting range: 0~23 H.

● Press down the button for 3 seconds to enter the minute setting.
● EX. Now the setting is changed from 0:00 to 13:00.

● **EX: To change the setting to 13:06.**
● Press down the button for 3 seconds to move to the digital you want to set.
● Press the button once to choose the setting number.

● Press down the button for 3 seconds to go back to the clock screen.
● EX. Now the minute is changed from 13:00 to 13:06.

6 | Trouble shooting

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

Trouble	Check item
The meter doesn't work when the power is on. **The clock is incorrect.**	● The power doesn't supply to the meter. → Please make sure the wiring is connected. The wiring and fuse are not broken. ● **It is possible that the positive wire is connected wrongly.** → **Please check is the red positive wire connect to the permanent power or battery and the brown positive wire is connected to the key on switchpositive pole.**
Temp does not appear or appear incorrectly.	● Please check the sensor. Does the wiring break or falling off ?

※ If still can't solve the problems according to the steps above, please contact with distributors or us.