



INSTRUCTION



◦ Thanks for purchasing our AMP / Volt meter. Before operating this unit, please read carefully these instruction sheets and retain them for future reference.

⚠ Notice

- 1-This meter has been designed to work on 12 volts DC applications only.
- 2-For proper installation, please follow the steps describes in these instruction sheets. Any damages caused by wrong installation shall be imputed to the users.
- 3-Do not disassemble or change any parts.
- 4-To avoid short circuit, do not pull the wires out of the terminals.
- 5- The interior examination or maintenance should be executed by our professionals only. Opening the instrument will void the warranty.
- 6- While riding the vehicle, do not attend to change the settings of the instrument to avoid injuries to yourself or others.

MARK MEANING:

NOTE Some procedures must be followed to avoid damage to the instrument.

⚠ WARNING! Some procedures must be followed to avoid injuries to yourself and others

⚠ CAUTION! Some procedures must be followed to avoid damages to the vehicle.

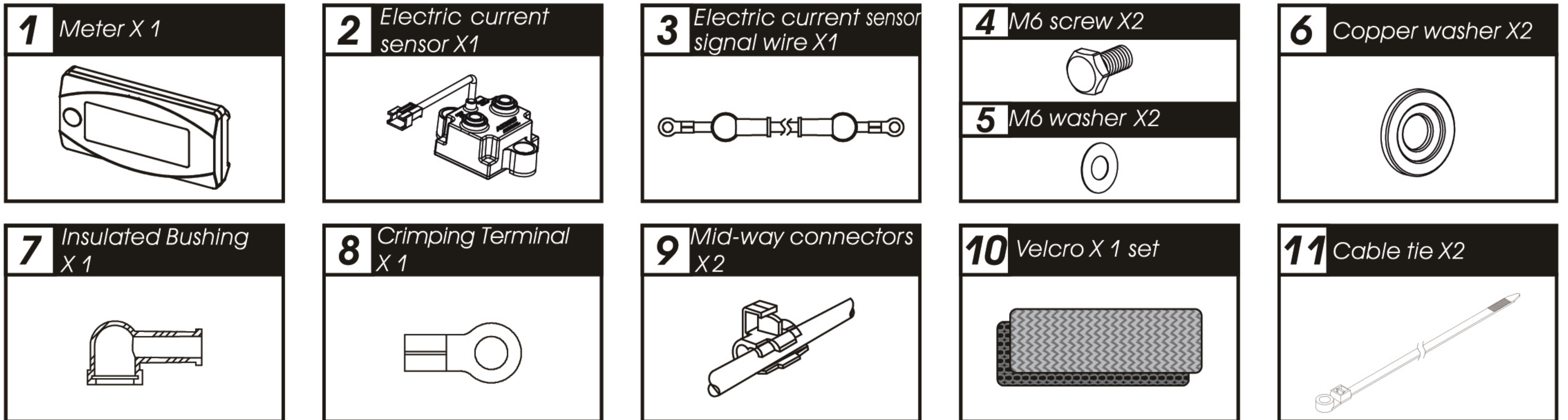


PRESS THE
BUTTON ONE TIME



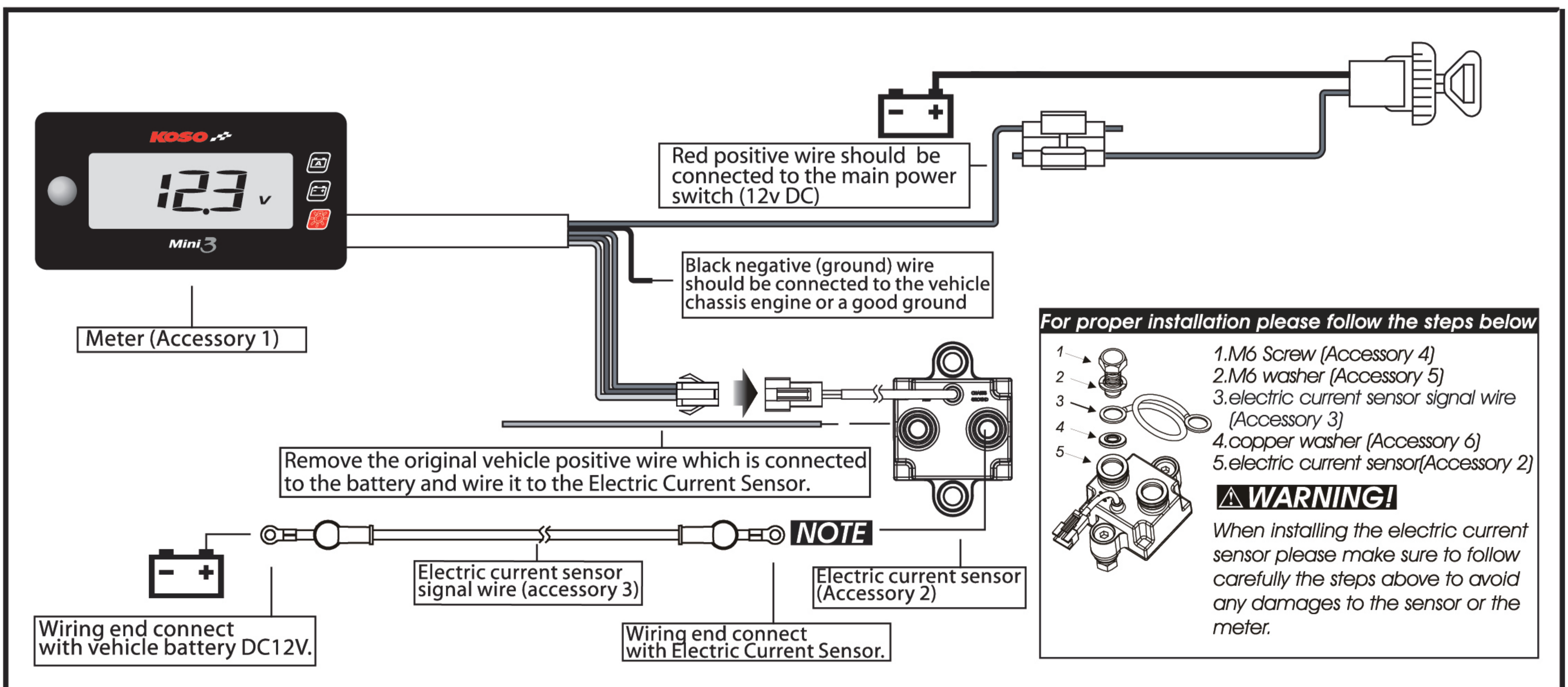
PRESS THE
BUTTON 3
SECONDS

1 Accessories

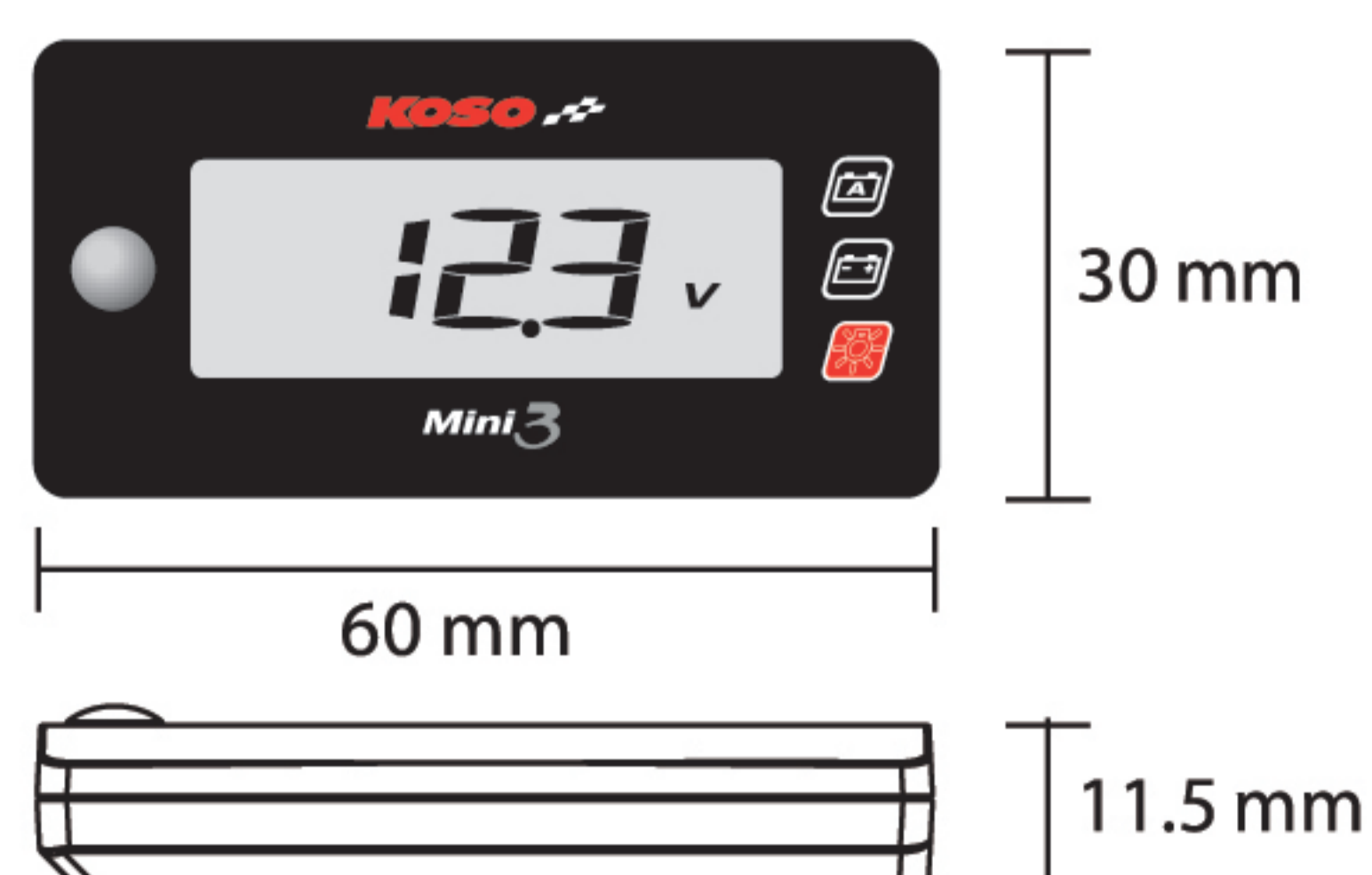


NOTE Note – Contact your local distributor if the items listed above are not the same as the one received.

2 Installation Instruction



3 Functions



◦ AMP meter	Display range :0~±30.0A Display unit :0.1A
◦ Volt meter	Display range :DC 6.0~19.9 V Display unit :0.1 V
◦ Low Voltage warning	Setting range :DC 8.0~13.0 V Setting unit :0.1 V
◦ Voltage warning	When the voltage is below DC 11.5V or over 15.5V, the LCD display will flash to warn.
◦ Effective voltage	DC12V
◦ Effective temperature range	-10~+60°C
◦ Meter standard	JIS D 0203 S2
◦ Meter size	60 X 30 X 11.5 mm
◦ Meter weight	+ - 22g

NOTE Design and specifications are subject to change without notice!

4-1 Setting Screen



- In the voltage display, press the button once to go in the AMP display.
- In the voltage display, press and hold the button for 3 seconds to enter the low voltage warning setting display. (please refer to 4-2 to set)

⚠ WARNING! While riding the vehicle, do not attend to read or change the settings of the instrument to avoid injuries to yourself or others.



- In the AMP display, press the button once to go back to the voltage display.
- In the AMP display, press and hold the button for 3 second to enter the Discharging/Charging AMP Warning setting display. (please refer to 4-3 setting)



- Voltage screen.

4-2 Low Voltage Warning Setting



- EX: Low voltage warning set to 12v DC.
- Press the button one time to choose the number to set.



NOTE Low voltage warning setting range : 8.0~13.0 V



- EX: Low Voltage warning setting change from 12.5v DC to 12v DC.
- Press down the button for 3 seconds to go back to the voltage screen.



- Voltage screen.

4-3 Discharging/Charging AMP Warning Setting



- Ex: To set Discharging AMP Warning at -25.0A in display.
- Press the button one time to choose the setting number.



NOTE Discharging AMP Warning Setting Range : -30.0 ~ 0

⚠ Press down the button for 3 seconds to move to the digit you want to set.



- Figure: Discharging AMP Warning was set from -05.0A to -25.0A
- Press and hold the button for 3 second to enter the charging AMP Warning setting display



- Ex: To set Charging AMP Warning at 25.0A.
- Press the button one time to choose the setting number.



NOTE Charging AMP Warning Setting Range: 0 -30.0

⚠ Press down the button for 3 seconds to move to the digit you want to set.



- Figure: Charging AMP Warning was set from 15.0A to 25.0A
- Press and hold the button for 3 second to go back to the AMP Display.

5 Trouble Vhooting

If you encounter operational failure, please check the following steps. If the problem still occur, please contact your local Koso dealer.

Trouble	Check item
The meter doesn't work when the power is ON.	<ul style="list-style-type: none"> ◦ There is no power to the meter. Make sure the wiring is connected correctly, make sure the wires and and fuse are not broken.