KOSO Feel The Speed

INSTRUCTION

●Thank you for purchasing the KOSO heated grips. Before installing, read the instructions carefully and retain them for future reference.

⚠ Attention!

- For installation, follow the steps on the instruction sheet. Any damage caused by falty installation shall be imputed to the users.
- **Don't break or modify the wires. To avoid a short circuit, do not pull the wires out of the terminals during installing.**
- Do not disassemble, alter or change any parts.
- Maintenance or repairs should be executed by our professionals.

◎MARK MEANING:

⚠	Some procedures must be followed to avoid damages occuring to the instrument.
⚠ WARNING!	Some procedures must be followed to avoid injuries to the user or others.
⚠ CAUTION!	Some procedures must be followed to avoid damages to the vehicle.
READ CAREFULLY !	If any information in the manual remains unclear, seek professional assistance.

FLASH | LIGHT ON

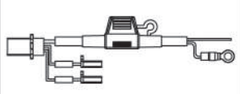
PRESS THE BUTTON ONCE | PRESS THE BUTTON 3 SECONDS

1 Accessories

1 Heated grip X2

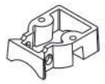
2 G type switch X1

3 Connecting wire X1



4 LCD Swtich Clamp X1

5 Locking Mount X 1



6 M2X8 X2

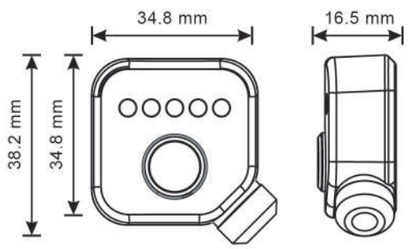
7 M3XP0.5X25L screw X1

8 M3 nut X1

9 Glue X1

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

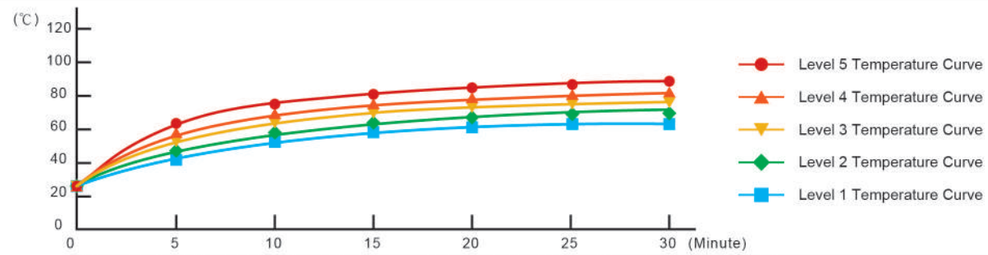
2-1 Specifications



● Heating stage	1st stage (low) ~ 5th stage (high)
● Fuse type	4A (ASP)
● Effective temperature range	JIS D 0203
● Voltage	DC 12 V
● Switch size	W38.2 X L38.2 X H16.5 mm
● Switch weight (with wire)	About 88 g

NOTE Design and specifications are subject to change without notice!

2-2 Heated grip testing data

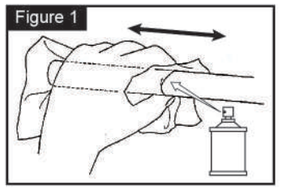


NOTE The testing environment is under 26 Degrees Celsius, with working voltage of 13.5 V.

3-1 Practical installation instruction

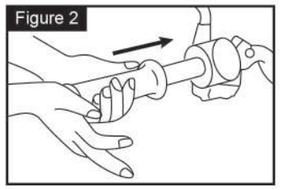
Heated grips installation proceedure

Figure 1



1. Use an appropriate tool to remove the original handle-bar grips.
2. Apply a cleaning agent and wipe back and forth to remove the glue residue from the handlebar.

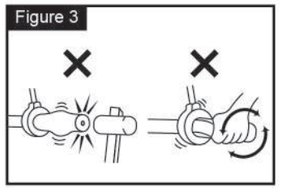
Figure 2



3. Push the heated grip Straight onto the handlebar.

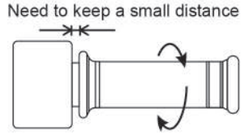
NOTE If the heating grip and the handlebar are loose; then apply the super glue (Accessory 9) to strengthen the hold to ensure that there want be loosen during riding.

Figure 3



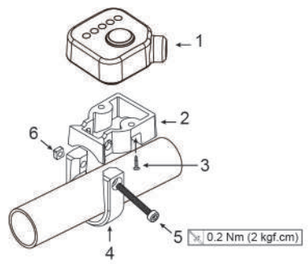
⚠ CAUTION!
To install, do not use any tool to knock the grip on. Do not twist the grip by hand or with a tool. By doing so, this will break or damage the wire inside the handlebar.

Figure 4



⚠ CAUTION!
To install the heating grip onto the throttle sleeve, the throttle must maintain a small distance with a surplus distance for wiring; You must test them by rotating back and forth to make sure they can twist.

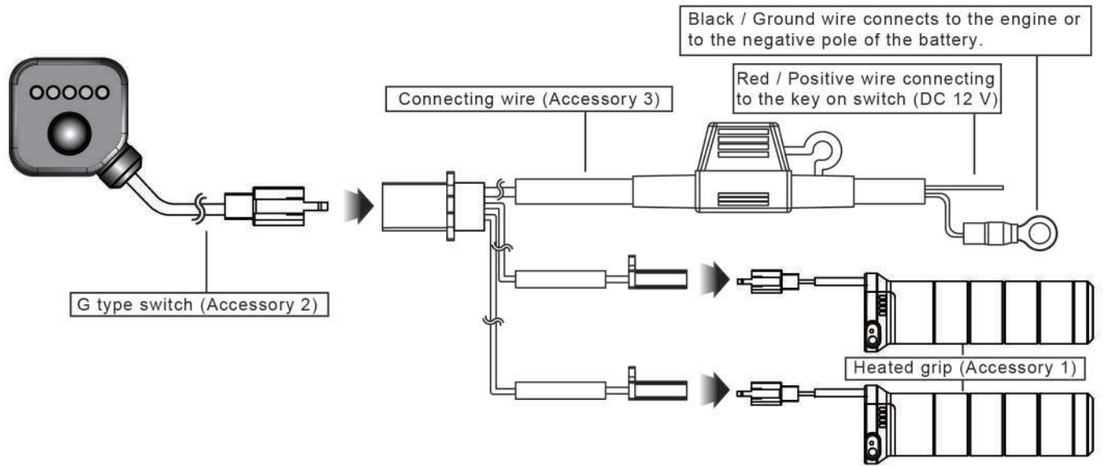
3-2 Control box installation instructions



Installation steps

1. G switch (Accessory 2)
2. Locking Mount(Accessory 5)
3. M2X8 (Accessory 6)
4. LCD Swtich Clamp (Accessory 4)
5. M3XP0.5X25L screw (Accessory 7) 0.2 Nm (2 kgf.cm)
6. M3 nut(Accessory 8)

3-3 Wiring installation instructions



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4-1 Specifications

● Turn the key on to enter the stand by mode.

NOTE This stage is for self-check without enabling the heating function.

⚠ At this moment, the LED lights will flash once from left to right.

C. Quick heating mode

B. Memory of heating mode

A. Heating stage setup

● Standby mode, **press the push button** once to enter into the heating mode.

NOTE The default set is off.

● **Example : To set the heating stage to the third stage.**

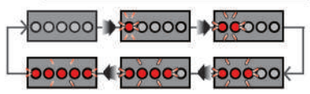
● Press the push button to select the desired set value.

NOTE The switch is characterized with memory function : and 3 seconds after setting the number of stage, the set number of stage will be memorized automatically.

● Ex : The current heating stage is set to the 1st stage.

⚠ At this moment, the LED lights will flash once from left to right.

Setting range: Off → 1st stage (low temperature) → 2nd stage → 3rd stage → 4th stage → 5th stage (high temperature)



C. Quick heating mode

B. Memory of heating mode

● Ex : Set the heating stage from 1st stage to 3rd stage.

⚠ At this moment, the LED lights will flash once from left to right.

B. Memory of heating mode

● Memory of heating mode.

● Ex : The last heating stage in memory before turning off the switch is the 3rd stage.

⚠ At this moment, the LED indicators are on.

C. Memory of heating mode

● Standby mode, press and **hold the push button 3 seconds** to enter into the quick heating mode.

● Quick heating mode.

⚠ At this moment, LED flashes.

If the temperature is felt enough, press the push button once to stop the quick heating.

4-2 Low-voltage mode Description

● The heating system will be turned off automatically when the voltage is lower than 11.5 V.

⚠ At this moment, LED flashes.

● Standby mode will be enabled when the voltage over 11.5 V is restored.

5 Trouble shooting

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

Trouble	Check item
LED indication does not activate.	● Power supply cable disconnected. →Please check if power supply cable is broken or disconnected. →Please check if positive and negative poles are properly connected. ● It might causing by the setting is not proper set up. → Please make sure and double check if setting is under the idle mode.

Trouble	Check item
When turn the key on, the headed grip is not heating up.	● It might be the battery is running out. → Please check your battery voltage as soon as possible. ● It might be causing by no power supply. →Please check if power harness and fuse broken or disconnected. →Please check if positive pole and negative pole is well connected. ● It might be causing by improper setup. →Please check if all function setup is properly proceeded. Please referring to 4-1 Specification and check with each step.

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