KOSO
Feel The Speed
INSTRUCTION

●Thank you for purchasing the our product. Before installing, please read the instruction carefully and keep it for future reference.

⚠ Attention!

●For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
●Don't break or modify the wire. To avoid the short circuit, please don't pull the wire when installing.
●Do not disassemble or change any parts excluding the manual description.
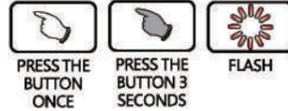●The interior examination or maintenance should be executed by our professionals.

● MARK MEANING:

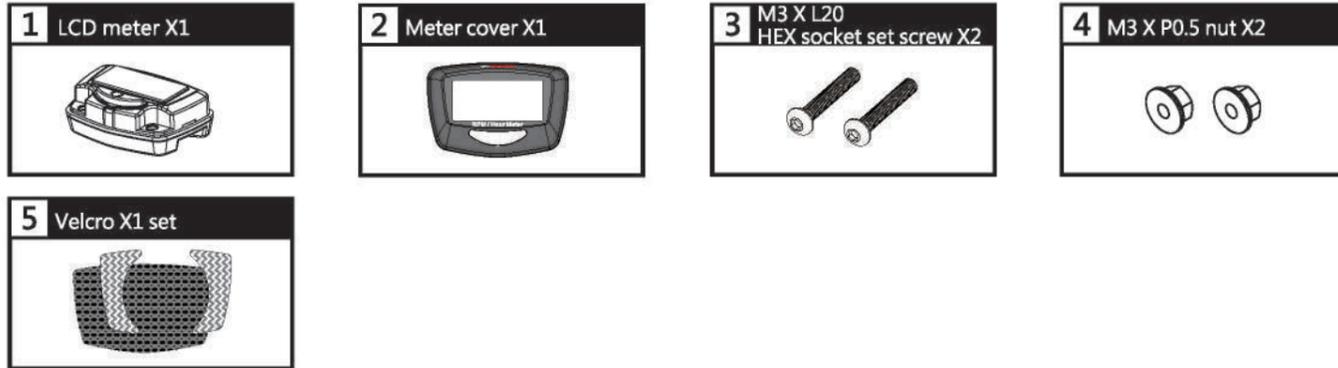| NOTE | You could get the installation details from the information behind the mark. |
⚠	Some processes must be followed to avoid the affection caused by wrong installation.
⚠ WARNING!	Some processes must be followed to avoid damages to yourself or the public.
⚠ CAUTION!	Some processes must be followed to avoid the damage to the vehicle.

PRESS THE BUTTON ONCE
PRESS THE BUTTON 3 SECONDS
FLASH

1 Accessories

1 LCD meter X1

2 Meter cover X1

3 M3 X L20 HEX socket set screw X2

4 M3 X P0.5 nut X2

5 Velcro X1 set

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

2-1 Installation Instructions

Follow the steps below during installation.

Ⓐ 1.LCD meter(Accessory 1)
2.M3 X L20 HEX socket set screw(Accessory 3)
3.M3 X P0.5 nut(Accessory 4) ⟟ 0.65 Nm (6.5 kgf.cm)
4.Meter cover(Accessory 2)

Ⓑ 1.LCD meter(Accessory 1)
2.Meter cover(Accessory 2)
3.Velcro-male(Accessory 5)
4.Velcro-female(Accessory 5)

⟟ 0.65 Nm (6.5 kgf.cm)

groove

⚠ When removing the meter cover, please use appropriate tool to open the meter cover from the groove (as shown) on the side of the meter. Please do not directly disconnect the cover vertically to avoid making damages to the meter cover.

NOTE Choose either Method A or B according to your need.

2-2 Battery Installation Instructions

CR2032

⚠ Please change the battery when the meter is off!
NOTE Please follow the arrow direction to press before remove the battery.
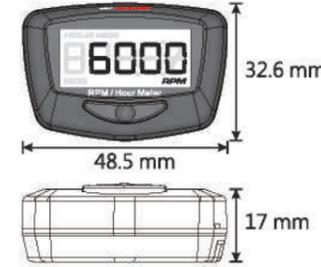
2-3 Wiring Installation Instructions

Ⓐ Brown / RPM wire
Connect the RPM wire according to one of the three positions shown on (B).

Spark plug wire

NOTE For special spark plug wire, installation method B may be chosen for the installation of RPM wire.

Ⓑ

For motorcycle with ignition coil system, the RPM can be installed following the methods here described. Wrap the RPM wire at least five(5) times around the spark plug cap as shown below.

3 Functions, Settings Description

32.6 mm
48.5 mm
17 mm

●Digital Tachometer	Display range : 0~20,000 RPM
	Display unit : 100 RPM
○Display internal	<0.5 Sec.
○MAX. RPM record	Display range : 0~20,000 RPM
○RPM input pulse	Setting range : 0.5、1、1.5、2
●Total engine hour meter	Display range : 0.0~999.9 / 1,000~99,999 H
	Display unit : 0.1 / 1 H
●Hour meter A、B	Display range : 0.0~999.9 H
	Display unit : 0.1 H
●Internal battery type	CR 2032
●Battery life time (continuously)	About 350 H
●Effective temperature range	-10~60 °C
●Water-Proof Standard	JIS D 0203
●Meter size	W48.5 X L32.6 X H17 mm
●Meter weight	About 28.5 g

NOTE Design and specifications are subject to change without notice!

4 Display Switching Instruction

●When meter is OFF, press the button once to enter the RPM display screen.

●While on RPM display screen, press the button once to enter the MAX RPM record display.

●While on MAX RPM record display, press the button once to enter Total Engine Running Hour display screen.

●Also while on MAX RPM record display, press and hold the button for 3 seconds to reset the record.

●While on Total Engine Running Hour screen, press the button once to enter the Engine Hour A.

NOTE When the engine hour meter starts to count, the Hour symbol will flash every 0.5 second.

●While on Engine Hour A screen, press the button once to enter the Engine Hour B.

●Hold the button for 3 seconds to reset the Engine Hour A record.

●While on Engine Hour B screen, press the button once to go back to the RPM main screen.

●Hold the button for 3 seconds to reset the Engine Hour B record.

●Back to RPM main screen.

NOTE The meter will automatically turn off if no button is pressed or if there is no signal input for more than 30 seconds.

● While on RPM main screen, **press and hold the button for 3 seconds** to enter the RPM pulse setting.

● **EX : The value has successfully been changed to 2.**
● To return to the RPM main screen, press and hold the button for 3 seconds.

● **EX : To change the current setting value from 1 to 2.**
● On setting screen, **press the button once** to change the RPM pulse setting value .
● **EX : The original setting is 0.5(4C-1P).**

NOTE The piston type available settings are : 0.5,1,1.5,2.

⚠ Now the setting value is flashing!

● Back to the RPM main screen.

Setting value	2 stroke settings	4 stroke settings	RPM per spark
0.5	NA	1 piston	2 RPM per spark
1	1 piston	2 pistons	1 RPM per spark
1.5	NA	3 pistons	2 RPM per 3 sparks
2	2 pistons	4 pistons	1 RPM per 2 sparks

⚠ **CAUTION!** Some of the 4 strokes engines with 1 piston are igniting once every 360 degrees.To get the proper RPM for such engines, the setting should be the same as a 2 strokes engine with 1 piston.

6 Trouble shooting

The following situations do not indicate malfunction of the meter. Please check the following points, before taking it in for repairs.

Trouble	Check item
The meter doesn't display.	● Maybe poor connection of the RPM wire. → Please make sure the RPM wire is connected correctly. ● Maybe the problem is caused by the insufficient power. → Please change the inner battery.

※ If the problem persists after reviewing the options above, please contact your local distributor.