





Thank you for purchasing KOSO GP style tachometer, before operating the unit, please read the instruction thoroughly and retain it for the future

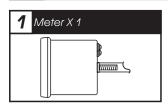
∧ Notice

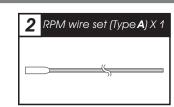
- 1. The lcd meter is apply for DC 12V.
- 2. For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
- 3.To avoid the short circuit, please don't pull the wire when installing. Don't break or modify the wire terminal.
- 4.Do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

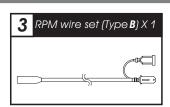
MARK MEANING:

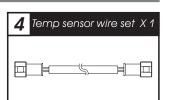
NOTE You could get the installation details from the information behind the mark.		(S
∧ Some processes must be followed to avoid the affection caused by wrong installation.		
A WARNING! Some processes must be followed to avoid damages to yourself or the public.	PRESS THE BUTTON ONE TIME	PRESS THE BUTTON 3
A CAUTION! Some processes must be followed to avoid the damage to the vehicle.		SECONDS

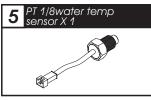
1-1 Accessory



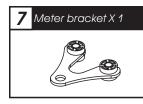














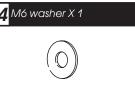


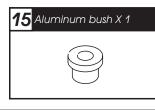










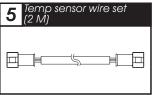


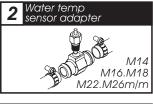


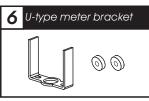
NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.

1-2 Option accessory



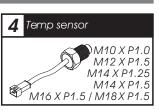








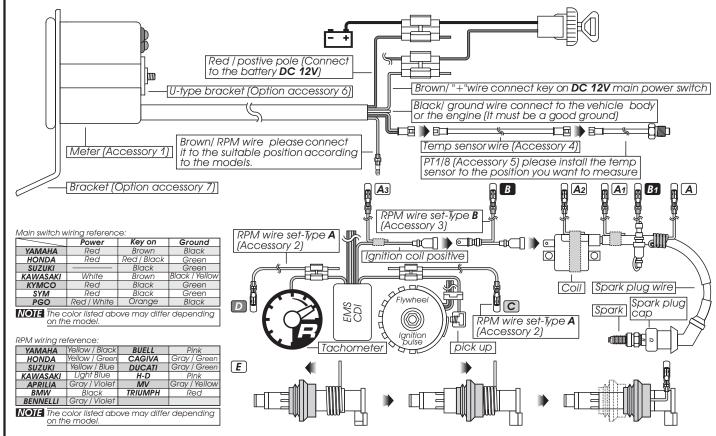






NOTE Some of the option accessories may not sell. For the details, please contact the local distributor.

2-1 Wiring installation instructions



NOTE The temperature will disappear if you don't install & connect the temperature sensor with the meter.

When connecting the power wiring, please follow the instruction. If you connect the red & brown wiring in parallel will cause the meter work improperly.

A. Please wrap the RPM wire at least 5 times around the spark plug.

A1. Please use tape to fixthe RPM (Type A) wire onto the spark plug wire.

A2. Please use tape to fixthe RPM wire (Type A) on the spark plug cap.

A3. Please use tape to fix the RPM wire (Type A) on the coil positive pole wire. For some models with the coil negative wire, please tape the RPM wire (Type A) on the negative wire to get the RPM signal. (For example, the YAMAHA V-max 1200)

B. Please connect the RPM wire (Type B) to connect to the ignition coil positive pole.

B1. Please wrap the RPM wire (type B) on the spark plug wire by connecting the male and female connector.

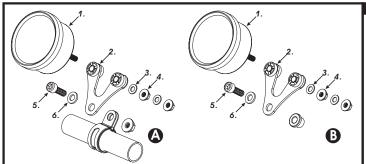
C. Please connect the RPM wire (Type A) to the pick up.
D. Please parallel the RPM wire (Type A) with the original tachometer signal wire (This method is available only when the original speedometer comes with a tachometer on it. You could get the RPM wire information from the service manual of your bikes.)
E. For the models comes with the new ignition coil, please wrap the RPM wire (Type A) at least 5 times around the spark plug as the

above aroung.

For multi-ignition models, we will suggest you to get the signal on the first ignition.

The best signal source will be in order as D>C>B>A, we will suggest you to check different ways if you have problems to get the

2-2 Installation instructions



When installing, please follow the process.

- 1. Lcd meter (Accessory 1)
- 2. Meter bracket (Accessory 7)
- 3. M5 washer X 2 (Accessory 13)
- 4. M5 X P0.8 nut X 2 (Accessory 11)
- 5. M6 X P1.0 screw (Accessory 12)
- 6. M6 washer (Accessory 14)
- ⚠ Use the meter bracket (Accessory 7), handle bar clamp (Accessory 8), rubber (Accessory 9) and the nut to install the speedometer on the handle bar
- **③** Use the aluminum bush(Accessory 15) to install the speedometer on the handle bar stem.

3-1A Overview

●Display range: 0~9,000

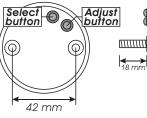
●Display range: 0~150°C (32~302°F) Display unit: 0.1°C (°F)

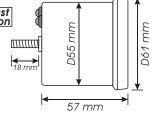
Display unit: 100 RPM

Tachometer

Temperature

Adjust button Press the Adjust button to switch the thermometer unit in main screen.





9.000 RPN

wh551ba019

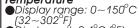
3-1B Overview

Tachometer

●Display range: 0~1,6000 RPM.

●Display unit: 100 RPM.

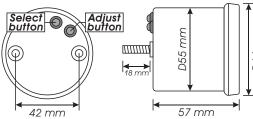
Temperature



•Display unit: 0.1°C (°F)



Adjust button ●Press the Adjust button to switch the thermometer unit in main screen.



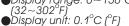
3-1C

Tachometer ●Display range: 0~1,6000

Display unit: 100 RPM

Temperature

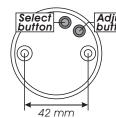
●Display range: 0~150°C (32~302°F)

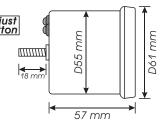




Adjust button

Press the Adjust button to switch the thermometer unit in main screen.





High-contrast 16,000 RPM

3.2 Specification

Display range: 0~16,000 RPM	ODisplay internal	< 0.5 second
Display unit: 100 RPM	■Effective voltage	DC12V
< 0.5 second	●Effective temperature ro	ange $-10\sim+60^{\circ}$ C
2 Stroke: 1, 2, 3, 4 pistons	Meter standard	JIS D 0203
4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons	●Meter size	D55 X 57 mm
Display range: 0~150°C (32~302°F) Display unit: 0.1°C (°F)	●Meter weight	Around 190 g
	Display unit: 100 RPM <0.5 second 2 Stroke: 1, 2, 3, 4 pistons 4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons Display range: 0~150°C (32~302°F)	Display unit: 100 RPM <0.5 second 2 Stroke: 1, 2, 3, 4 pistons 4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons Display range: 0~150°C (32~302°F) ©Effective voltage ©Effective voltage ©Effective temperature ro ©Meter standard ©Meter size ©Meter weight

NOTE Design and specification are subject to change without notice!

4 Cycle / Piston / Input signal setting



In main screen, press the Select & Adjust X 3 | seconds to enter the stroke/piston/Input signal setting screen.

⚠ CAUTION!

- Make sure the correct cycle and pistons
- before setting.

 Make sure the setting is correct, or the
- We define the engine with the ignition system ignites every 360 degree as 2-cycle and the engine with the ignition system ignites every 720 degree as 4-cycle.
 Most of the 4-cycle bikes with one single piston are igniting EVERY 360 degree once, so the setting should be the same as the
- so the setting should be the same as the bike with 2-cycle and one piston engine.



Press the **Adjust button** to select the piston number.

Now the piston number is flashing.

NOTE 2 Cycle: 1,2,3,4 pistons 4 Cycle: 1,2,3,4,5,6,8,10,12 pistons



Press the **Select button** to enter the RPM signal input setting. EX. The piston setting is changed from 1 P (piston) to 4 P (pistons).

Press the **Select button** to enter the RPM

signal input setting.

EX. The piston setting is changed from 1 P

(piston) to 4 P (pistons)





EX. To change the setting to 4 stroke.

Press the **Adjust button** to select the stroke. EX. Now the setting is 2C (2 Stroke)1P (1 piston) \bigwedge Now the stroke number is flashing!

NOTE You could set the stroke as 2 stroke or 4 stroke.



Press the **Select button** to enter the piston setting screen.

EX. Now the setting is changed from 2 stroke

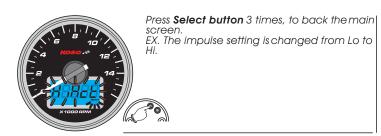


Press the **Adjust button** to choose the input signal you want to set. Now the input signal setting is flashing!

NOTE The impulse setting range is between Hi (the positive impulse)& Lo (the negàtive impulse)

NOTE If the tachometer can't detect the signal (No RPM is displayed on the screen), you could choose another setting, and check it again.





5 Trouble shooting

Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on. The meter shows wrong information. Tachometer does not appear or appear incorrectly.	The power doesn't supply to the meter. → Please make sure the wiring is connected. The wiring and fuse are not broken. → The battery is broken or the battery is too old to supply enough power (DC 12V) to make the meter work. Please check the voltage of your battery, and make sure the voltage is over DC 12V. ● Please check the RPM sensor wiring is connected correctly. ● Please check the spark plug is R type or not. If not, please replace the spark plug with the R type spark plug. ● Please check your setting. → Please refer to the manual 4.	Temp does not appear or appear incorrectly. When switch off, the needle doesn't return to 0.	Please check the sensor. →Does the wiring break or falling off? 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 switch positive pole. It is possible that the permanent power wire is not connected well. →Please check the red positive wire is connect well or not.

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