

tachometer CDI & FI





Thank you for purchasing KOSO 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 Vou could ac	tthe installation details fr	rom the information behind the mark.
Tou could ge	i ine installation details in	on the information bening the mark.

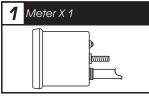
Nome processes must be followed to avoid the affection caused by wrong installation

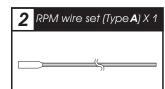
A WARNING! Some processes must be followed to avoid damages to yourself or the public.

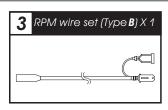
A CAUTION! Some processes must be followed to avoid the damage to the vehicle.



1-1 Accessory







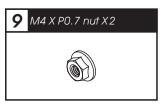


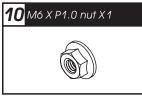


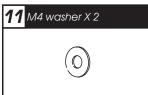


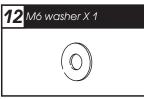










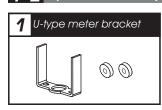






NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.

1-2 Option accessory

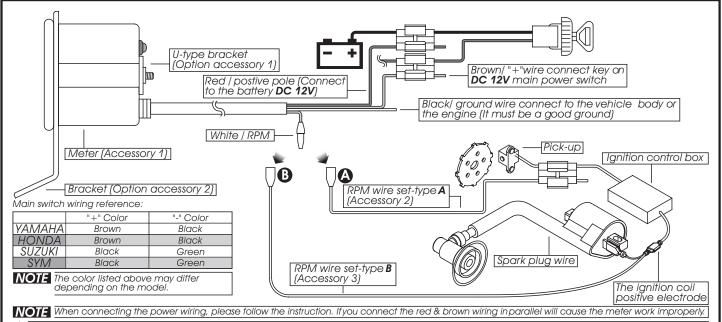






NOTE Some of the option accessories may not sell. For the details, please contact the local distributor.

2-1 Wiring installation instructions

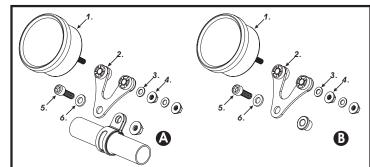


Me provide 2 ways to get the rpm signal-sensor a & sensor b. Tf there are interruptions, you could change the sensor wiring to get better signal.

CAUTION! For the model with more than one piston, please just connect the rpm sensor wiring (Type A/B) to one of the ignition coil

Solution and the ignition coil positive electrode before connecting the RPM sensor wiring! Wrong installation will cause the meter broken!

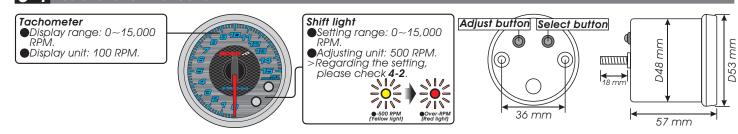
2-2 Installation instructions



then installing, please follow the process.

- 1. Lcd meter (Accessory 1)
- 2. Meter bracket (Accessory 5)
- 3. M5 washer X 2 (Accessory 11) 4. M5 X P0.8 nut X 2 (Accessory 9)
- 5. M6 X P1.0 screw (Accessory 10)
- 6. M6 washer (Accessory 12)
- (Accessory 5), handle bar clamp (Accessory 6), rubber (Accessory 7) and the nut to install the speedometer on the handle bar.
- 13) Use the aluminum bush(Accessory 13) to install the speedometer on the handle bar stem.

3-1 Basic function instruction



3-2 Function, setting instruction

●Tachometer	Display range: 0~15,000 RPM	OStroke / piston setting	2 Stroke: 1, 2 pistons
	Display unit: 100 RPM		4 Stroke: 1, 2, 3, 4 pistons
Over RPM shift light	Setting range: 0~15,000 RPM	●Effective voltage	DC12V
	Setting unit: 500 RPM	●Effective temperature re	ange -10~+60°C
○Top RPM record	Top RPM record	■Meter standard	JIS D 0203
	Range: 0~15,000 RPM (Reset by button)	●Meter size	D48 X 52.8 mm
		■Meter weight	Around 117 a

NOTE Design and specification are subject to change without notice

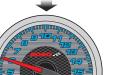
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4-1 Shift light setting



In main screen, press down the **Select & Adjust X 3 seconds** to enter the shift light





Press the **Adjust button** to choose the setting

EX. Now the shift light setting is 6000 RPM.

Now the yellow light is on, and the red light keeps flashing.

The over RPM warning setting range: 0~15,000 RPM. Adjust unit: 500 RPM.



4-2 Cycle / Piston / Input signal setting



In main screen, press down the **Select &** Adjust X 3 seconds to enter the shift light





⚠ CAUTION!



before setting.

Make sure the setting is correct, or the

wide safe file settings correct, of the RPM output will be incorrect.

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 bike with 2-cycle and one piston engine.



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

impulse setting.
EX. Now the Cycle, Pistons setting is changed from 2 to 4(4 Cycle | 4 Pistons)

Press the **Select button** 3 times, to back the

EX. Now the shift light setting is changed from 6,000 RPM to 9,000 RPM.



Press the **Adjust button** to select the RPM

Now the yellow & red light keep flashing simultanéously.

The impulse setting range is between 1 (the positive impulse)&0 (the negative impulse)

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





Press the **Adjust button** to select the Cycle and pistons number you want to set.

EX. Now the setting is 2, it means 2 Cycle/1 piston or 4 Cycle 12 pistons.

Now the red light is on, and the yellow light keeps flashing.

ngm keeps nasming.					
NOTE	Cycle Piston	1	2	3	4
	2	Scale 2	Scale 4		
	4	Scale 1	Scale 2	Scale 3	Scale 4
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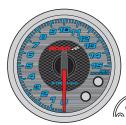




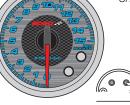
Press **Select button**, to back the main screen. EX. The impulse setting is changed from 0 to 1.



5 Top RPM record reset



In main screen, press the **Select button** to enter the top RPM record.



Press down the **Select button** for 3 seconds to reset the record.

EX. The top RPM record is 10,000 RPM.

Now the red light is on.

NOTE The top RPM record range: 0~ 15,000 RPM.



Press the **Select button** to back to the main EX. Now the top RPM record is reset.

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 it	em	Trouble	Check item		
when the power is on. → Pieas conn broke → The b old to make The meter shows wrong Please	attery is broken or the battery is too a supply enough power (DC 6V) to e the meter work. check the voltage of your and make sure the voltage is	appear or appear incorrectly. The setting is not fixed, the top RPM record doesn't work	 Please check the RPM sensor wiring is connected correctly. Please check your setting. → Please refer to the manual 4-1. The power wiring connection is wrong → Please check the power wires connection is correct or not. The voltage of your battery is too low → Please make sure that the voltage is over DC 6V. 		

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

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