

tachometer





Thank you for purchasing KOSO DL 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:

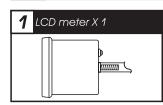
NOTE You could get the installation details from the information behind the mark

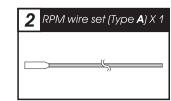
♠ Some processes must be followed to avoid the affection caused by wrong installation

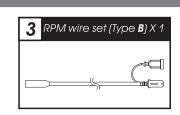
MARNING! Some processes must be followed to avoid damages to yourself or the public

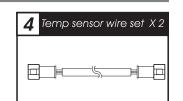
A CAUTION! Some processes must be followed to avoid the damage to the vehicle.

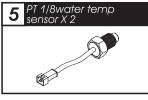
1-1 Accessory





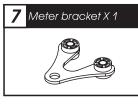




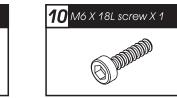


9 Rubber X 1

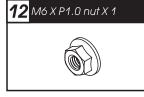




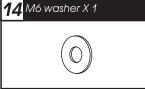
















M10 X P1.0

M16 X P1.5 / M18 X P1.5

M12 X P1.5

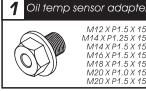
M14 X P1.5

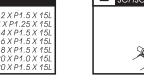
M14 X P1.25

4. Temp sensor

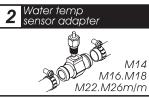
NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.

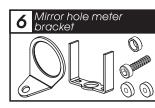
1-2 Option accessory

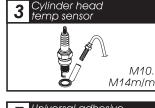






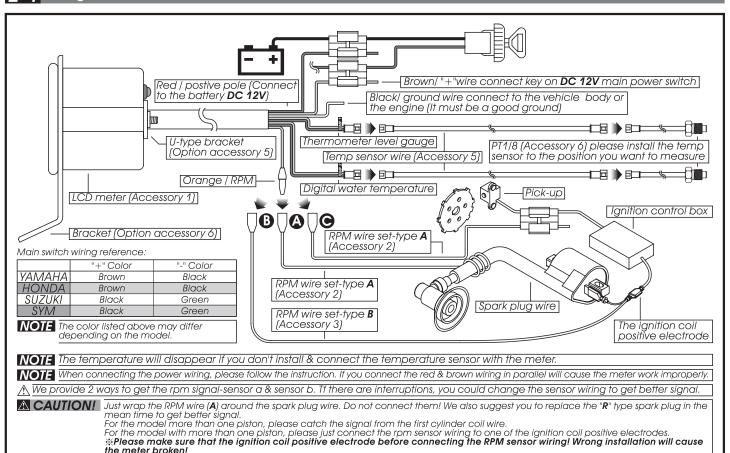




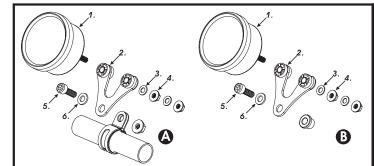




2-1 Wiring installation instructions



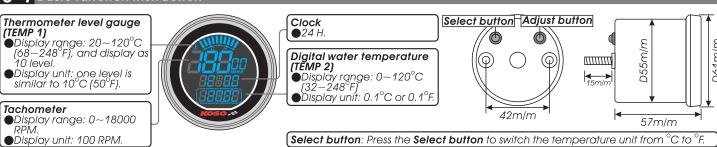
2-2 Installation instructions



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)
- (Accessory 7), handle bar clamp (Accessory 8), rubber (Accessory 9) and the nut to install the speedometer on the handle bar.
- 15) Use the aluminum bush(Accessory 15) to install the speedometer on the handle bar stem.

3-1 Basic function instruction



3-2 Function, setting instruction

●Tachometer	Display range: 0~18000 RPM Display unit: 100 RPM		20~120°C (68~248°F), display in 10 level Display unit: 1 level=10°C (50°F)
ODisplay internal	< 0.5 second	ODisplay internal	<0.5 second
○Stroke / piston setting	2 Stroke: 1, 2, 3, 4 pistons	● Clock	24 H
	4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons	●Effective voltage	DC12V
■Temperature unit	°C, °F	●Effective temperature range -10~+60°C	
●Digital water temperature	Display range: 0~120°C (32~248°F)	■Meter standard	JIS D 0203
	Display unit: 0.1°C (0.1°F)	Meter size	D55 X 57 m/m
■Temperature level gauge	Display range: 0~120°C (32~248°F)	■Meter weight	Around 190 g

NOTE Design and specification are subject to change without notice!

NOTE If you enter the setting screen for 30 seconds and don't press the button, it will back to the main screen automatically

wh552ba801

4-1 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.
- before setting.

 Make sure the setting is correct, or 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 protection of the street with the CYCN 360 degree as 2-cycle.
- piston are igniting EVERY 360 degree once, so the setting should be the same as the bike with 2-cycle and one piston engine.



number.



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

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

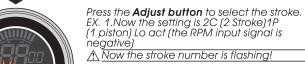
NOTE 2 Cycle: 1,2,3,4 pistons 4 Cycle: 1,2,3,4,5,6,8,10,12 pistons

Now the piston number is flashing.

(piston) to 4 P (pistons).

signal you want to set.





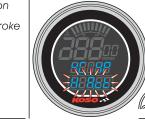
NOTE You could set the stroke as 2 stroke or 4 stroke.





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

EX. Now the setting is changed from 2 stroke to 4 stroke.



Press **Select button** 3 times, to back the main EX. The impulse setting is changed from Lo to

Press the **Adjust button** to choose the input

<u>Now the input signal setting is flashing!</u>

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

between Hi (the positive impulse)&

NOTE The impulse setting range is



4-2 The clock setting



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





Press the **Select button** 3 times to enter the



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

EX. Now the time is 0:00.

<u>Now the hour number is flashing!</u>

NOTE This is a 24 H clock.





Press the **Select button** to enter the minute

EX. Now the hour is changed from 0 to 13.



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

Now the minute number is flashing!



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



5 Trouble shooting

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

Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on.	make the meter work.	Temp does not appear or appear incorrectly. The clock is incorrect.	 ◆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 4-1. ◆Please check the sensor. → Does the wiring break or falling off?
The meter shows wrong information. Tachometer does not appear or appear incorrectly.			 Do you connect the wiring correctly. →Please check the positive wire(red) connects to the battery, and main switch positive wiring(brown) connects to the main switch. ◆Please check your setting. →Please refer to the manual 4-2.

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

wh552ba801