

INSTRUCTION

Thank you for purchasing KOSO XR-SR N DIGITAL LCD meter. Before installing, please check the instruction carefully.

∧ 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.

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

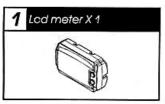
CAUTION! Some processes must be followed to avoid the damage to the vehicle.

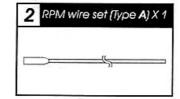


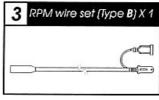


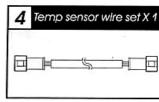


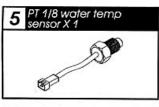
1-1 Accessory

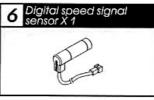


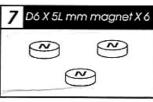




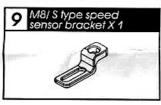


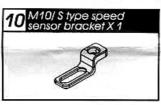




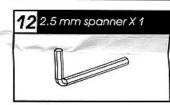


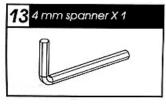


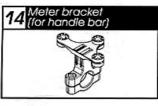


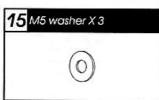






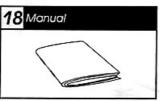






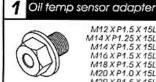




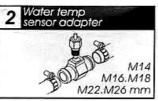


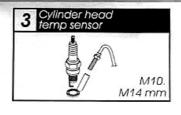
NOTE Please contact the local distributor if the Items you open are not the same, with the above-listed one.

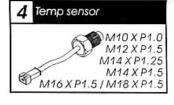
1-2 Option accessory

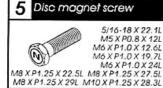


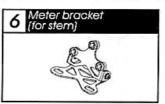
M12 X P1 5 X 15 M14 X P1.25 X 15L M14 X P1.5 X 15L M16 X P1.5 X 15L M18 X P1.5 X 15L M20 X P1.0 X 15L M20 X P1.5 X 15L

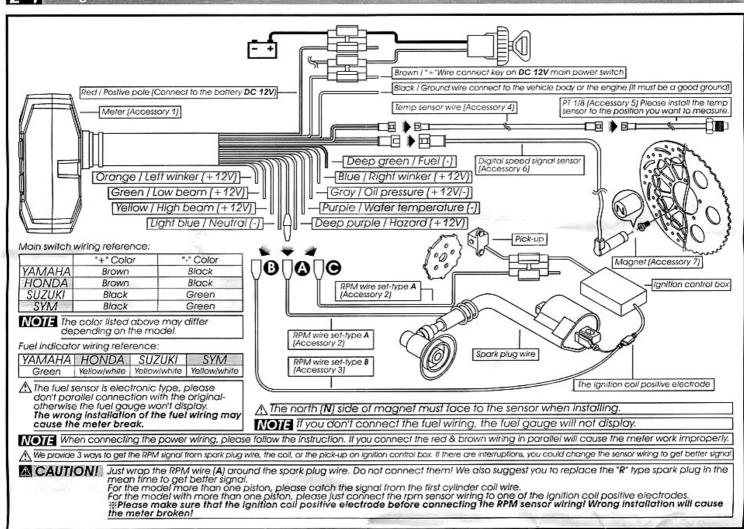












2-2 Installation instructions



Put the magnet into the brake disc screw hole.



Install the s type sensor bracket.



Adjust the sensor bracket position to make sure that the sensor could face the magnet to prevent bad speed signal or no signal!



Install the speed sensor on the bracket



Adjust the distance betwe sensor and magnet. We suggest you to make sure the distance is under 8 mi for catching good speed sianal.



You could make the speed more precise by adding the magnets, when installing the magnet, please put the magnet with N-mark side face the outside and put them averagely to avoid wrong signal. EX. 1: If your disk has 3 screws, you could install 1 or 3 magnets to catch the speed. EX. 2: If your disk has 4 screws, you could install 1 \cdot 2 or 4 magnets to catch the speed.

EX. 3: If your disk has 5 screws, you could install 1 or 5 magnets to catch the speed.

EX. 4: If your disk has 6 screws, you could install 1 or 5 magnets to catch the speed.

EX. 4: If your disk has 6 screws, you could install 1 \cdot 2 \cdot 3 or 6 magnets to catch the speed.

After finishing the magnet installation and sensor point setting, please move your tire to test the speedometer work or not.







280C

12:00

3-1 Basic function instruction

Fuel symbol

Display range: 10 levels.

 The fuel reserve symbol begins to flash if only 3 grids left.

Thermometer

Display range: 20−120°C (68− 248°F), and display as 10 level.

 Display unit: one level is similar to 10°C (50°F)



0000

Tachometer

◆Display range: 0~18,000 RPM.

Display unit: 100 RPM.



 Display range: 0−99999 km (mile), reset automatically atter 99999 km.

Display unit: 1 km (mile).

Trip meter A.B

Display range: 0~999.9 km | TRIDA | (mile), reset automatically after 999.9 km.

Display unit: 0.1 km (mile)



MAX record

Clock

24H.

 The meter will record the top speed, RPM and temperature automatically

Thermometer

132-248°F)

◆Display range: 0~120°C

Display unit: 0.1°C (°F).





Speedometer

1*888000*

●Display range: 0~360 km/h (0~223 MPH)

Display unit: km/h or MPH.

3-2 Function, setting instruction

Display range: 0~360 km/h (0~223 MPH) Speedometer Display unit: km/h & MPH for alternative

ODisplay internal < 0.5 second

OTrip A.B meter

0-99999.9 km, reset automatically after 99999.9 km [mile] ○Odometer 0~999.9 km, reset automatically after 999.9 km (mile)

Display range: 0~360 km/h (0~223 MPH) OTop speed record Setting range: 300-2,500 mm Tire circumference

Setting unit: 1 mm · Sensor point: 1~6

Display range: 0~18,000 RPM Tachometer Display unit: 100 RPM

<0.5 second ODisplay internal

Display range: 0~18,000 RPM OMAX RPM record OStroke | piston setting 2 Stroke: 1, 2, 3, 4 pistons

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

Display unit: °C & °F for alternative ●Temperature Digital water Display range: 0~120°C (32~248°F) temperature Display unit: 0.1°C (0.1°F)

 Temperature level Display range: 20~120°C (68~248°F), 10 level Display unit: 1 level=10°C (50°F)

gauge ODisplay internal < 0.5 second

○Top temperature record Display range: 0~120°C (32~248°F)

Display range: 10 levels Fuel indicator

Display unit: Each level represents 10 %

Setting range: 100Ω , 510Ω

Clock

Top speed timer The record including.

Speed: 0~360 km/h (0~223 MPH). Distance: 0~999 m (0~3280 feet).

Timer: 0~9'59"99 second.

●Effective voltage DC 12V

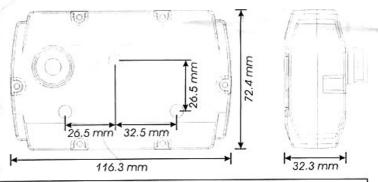
●Effective temperature range -10-+60°C Meter standard JIS D 0203 D3

116.3 X 72.4 X 32.3 mm Meter size

Around 286 g Meter weight

Neutral (green light /-). High beam (blue light /+) Indicator light

> Low beam (green light / +), Winker (green light / +) Hazard (Red light / +), Oil pressure (Red light / -) Water temperature light (Red light / +)



NOTE Design and specification are subject to change without notice!

3-3 The button function instruction

SELECT BUTTON

1. In main screen, press the Select button to choose the display of clock, water temperature or oil temperature.
2. In setting screen, press the Select to choose the function you want to set.
SELECT BUTTON X 3 SECONDS

1.In main screen, press down the Select button for 3 seconds to enter the power

2.In power test screen, press down the Select button for 3 seconds to back to the main screen

3.In setting screen, press down the Select button for 3 seconds to back to the

ADJUST BUTTON
1.In main screen, press the Adjust button to choose the display of odometer,

trip A, trip B or the MAX record.

2. In power test screen, press the Adjust button to reset the record, stop the testing, or restart the test.

3. In setting screen, press the Adjust to make the number setting. If you keep pressing down the Adjust the setting number will increase fast.

ADJUST BUTTON X 3 SECONDS

In main screen, press down the Adjust button for 3 seconds to reset the trip A, trip B, or the MAX record.

PRESS DOW THE ADJUST BUTTON

In setting screen, to add the setting value fast.

SELECT + ADJUST X 3 SECONDS

In main screen, press down the Select & Adjust buttons at the same time for 3 seconds to enter the setting screen.

3-6 The main screen function switch instruction Adjust

CAUTION! For safety reason - only when the vehicle is stop, then you could adjust the setting or operate the function.

3-4 The screen switch instruction

In the setting screen, press down the **Select** button for 3 seconds to back to the main



In main screen, press the Adjust button to choose the function combination you want to display on the screen.

The alternative combination is as the circle we list: odometer > trip A > trip B > RPM >MAX record.



In main screen, press down the **Select** & **Adjust button** at the same time for 3 seconds to enter the setting screen.

In main screen, press down the Select buttons for 3 seconds to enter the power test screen.

In power test screen, press down the Select buttons for 3 seconds to back to the main



In any screen, you could press down the Select buttons for 3 seconds to back to the main screen





In main screen, press the Select button and then the screen will change from water temperature gauge + fuel gauge to clock + water temperature level gauge. EX. Now the water temperature gauge is 28.5°C, and the fuel level gauge is full.

NOTE If you don't install the fuel wiring, the fuel gauge will not display.



In main screen, press the Select button to switch the screen from clock + water temperature level gauge to water temperature gauge + fuel level gauge. EX. Now the time is 12:00, and the water temperature level gauge is displayed as 21 ~30°C









3-7 The setting screen instruction



In main screen, press down the Select & Adjust button at the same time for 3 seconds to enter the setting screen.



in setting screen, press the **Select button** to choose the function you want to set. The function in setting screen is in order as speed unit, cycle and piston, temperature unit, tire circumference and sensor point, time, fuel gauge, top speed test setting and you could finish the setting as the order. After finishing the setting, press down the Select button to leave the setting screen.











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

Speed unit setting

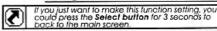


In main screen, press down the **Select** & **Adjust button** at the same time for 3 seconds to enter the speed unit setting.



Press the Select button to continue the function setting.

NOTE When you leave this screen, the setting is finished.





Press the Adjust button to choose the speed unit.

EX. Now the setting is km/h

Now the speed unit is flashing!

NOTE You could choose km/h or MPH in the speed unit setting screen

↑ The odometer & trip meter will change together with the speed unit.

4-2 Cycle / Piston / Input signal setting



In main screen, press down the **Select** & **Adjust button** at the same time for 3 seconds to enter the speed unit setting.



Press the Select button to enter the piston setting screen. EX. Now the setting is changed from 2 Cycle to 4 Cycle.



Press the Select button 1 times to enter the stroke/ piston/ Input signal setting screen.

A CAUTION!

 Make sure the correct strokes and pistons before setting.

Make sure the input is correct, or the RPN output will be incorrect.

Output will be incorrect.

We define the engine with the ignition system ignites every 360 degree as 2-stroke and the engine with the ignition system ignites every 720 degree as 4-stroke.

Some 4-stroke billes with and single.

4-stroke.

Some 4-stroke blkes with one single piston are igniting EVERY 360 degree once, so the setting should be the same as the blke with 2-stroke and one piston



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 signal input setting. EX. The piston setting is changed from 1 P

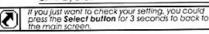
(piston) to 4 P (pistons).



Press the Adjust button to select the stroke. EX. Now the stroke number is flashing.

∧ Now the stroke setting number is flashing!

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





Press the Adjust button to choose the input signal you want to set.

Now the input signal setting is flashing!

NOTE The input signal setting range is between Hi (the positive signal)& to (the negative signal)

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



Press the Select button to enter other setting EX. The input signal is changed from Lo to Hi.

NOTE When you leave this screen, the setting is finished.



If you just want to make this function setting, you could press the **Select button** for 3 seconds to back to the main screen.



4-3 The temperature unit setting



In main screen, press down the Select & Adjust button at the same time for 3 seconds to enter the speed unit setting.



Press the Adjust button to choose °C or °F. EX. Now the temperature unit is °C

Now the temperature unit is flashing!

NOTE The temperature unit setting range. °C or °F.



Press the Select button 4 times to enter the temperature unit setting screen.



Press the Select button to continue the function setting.

EX. Now the temperature unit is changed from °C to °F.

NOTE When you leave this screen, the setting is finished.

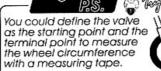


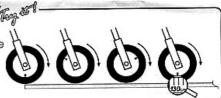
If you just want to make this function setting, you could press the **Select button** for 3 seconds to back to the main screen.

4-4 Tire circumference and sensor point setting



In main screen, press down the **Select** & **Adjust button** at the same time for 3 seconds to enter the speed unit setting.







Press the Select button 5 times to enter the Tire circumference and sensor point setting screen

A CAUTION!

Please measure the tire circumference (the tire you will install the sensor on) and make sure the number of magnet sensor point (You could install the magnet into t he disc screw or the sprocket screw.)

The speed displayed on the meter will be affected by the setting, please make sure the setting number is correct before you make the setting



Press the Select button to enter the sensor point setting. EX. The circumference setting is changed

from 1,000 mm to 1,300 mm.



Press the Adjust button to choose the setting number.

EX. Now the tire circumference setting is 1000 m/m, and the sensor point is 1.

∧ Now the circumference setting number is flashing!

NOTE The tire circumference setting range: 300~2,500 mm. Adjust unit: 1 mm.



If you just want to check your setting, you could press the **Select button** for 3 seconds to back to the main screen.



Press the Adjust button to choose the setting number.

Now the sensor point setting number is flashing!

NOTE The sensor point setting range: 1-6 points.

Press the **Select button** to continue the function setting EX. the sensor point setting is changed from

NOTE When you leave this screen, the setting is finished.



It you just want to make this function setting, you could press the **Select button** for 3 seconds to back to the main screen.

The clock setting



In main screen, press down the **Select** & **Adjust button** at the same time for 3 seconds to enter the speed unit setting.



Press the Select button to enter the minute EX. Now the hour is changed from 0 to 13.



Press the Select button 7 times to enter the clock setting screen.



Press the Adjust button to choose the setting number.

Now the minute number is flashing!



Press the Adjust button to choose the setting number.

EX. Now the time is 0:00.

Now the hour number is flashing:

NOTE This is a 24 H clock



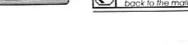
Press the Select button to continue the function setting.

EX. the minute is changed from 0 to 1 NOTE When you leave this screen, the

setting is finished.



you just want to make this function setting, you ould press the **Select button** for 3 seconds to back to the main screen.





In main screen, press down the Select & Adjust button at the same time for 3 seconds to enter the speed unit setting.



Press the Select button 9 times to enter the fuel gauge resistance setting screen.



Usually the fuel gauge resistance is 100 Ω on YAMAHA system, and 510 Ω on HONDA system.



Press the Adjust button to choose the setting number.

EX. Now the fuel gauge resistance setting is 100 Ω.

Now the resistance setting number is flashing!

NOTE The fuel gauge resistance setting range: 100Ω , 510Ω . If you don't install the fuel wiring, the fuel gauge will not display.

Press the Select button to continue the function setting. EX. Now the fuel resistance setting is changed from 100 Ω to 510 Ω .

NOTE When you leave this screen, the setting is finished



If you just want to make this function setting, you could press the **Select button** for 3 seconds to back to the main screen.

5 Power The top speed test



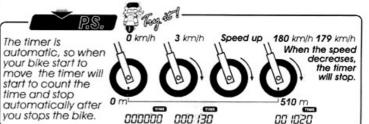
\triangle WARNING!

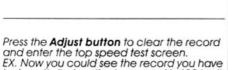
Please use this function at racetrack to avoid traffic accidents

In main screen, press down the Select button 3 seconds to enter the top speed

NOTE Please start the test when the bike stops.

∆ If you have the power test record, it will display the record first. You must clear the record before starting a new test.





before. It displays the top speed is 180 km/l the distance to reach the top speed is 510 m, the time you need to reach the top speed is 10.20 seconds.



If you just want to check the record, you could press the **Select button** for 3 seconds to back to the main screen.



♠ During the test, the mwill keep flashing!



When you reach the top speed (180 km/h), the meter will stop counting the distance (510 m), and time (10.20 seconds).



If you just want to use the function one time, press down the **Select button** for 3 seconds to save the records and back to the main screen.

If you want to test it again, press the Adjust button to clear the record and enter the target speed timer test screen again.



When the bike moves, the timer will start automatically

Now the is flashing!

NOTE The top speed test range: Speed: 0~360 km/h (0~223 MPH). Distance: 0~999m (3280 feet) . Timer: 0~9'59"99 seconds

↑ The setting unit will change together with the speed unit setting (4-1).



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

· the

The meter doesn't work when the power is on.

Check item

- The power doesn't supply to the meter.
 - old to supply enough power (DC 12V) to make the meter work.

The meter shows wrong information.

Speed does not appear or appear incorrectly.

- →Please make sure the wiring is connected. The wiring and fuse are not broken
 - →The battery is broken or the battery is too
- Please check the voltage of your battery, and make sure the voltage is over DC 12V.
- Please make sure the speed sensor is connected correctly Please check the tire-size setting →please refer to the manual 4-4.

Tachometer does not appear or appear incorrectly.

- Please check the RPM sensor wiring is
- connected correctly.

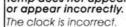
 Please check the spark plug is "R" type or not. If not, please replace the spark plug with the "R" type spark plug. Please check your setting.
- →Please refer to the manual 4-2.
- Fuel gauge does not appear or appear incorrectly.
 - → Is there any fuel inside ? Please check the wiring.

Please check your fuel tank.

- →Do you connect the wiring correctly?
- Please check the setting
- →Please refer to the manual 4-6

Temp does not appear or appear incorrectly.

- Please check the sensor. →Does the wiring break or falling off?
- ◆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.



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



www.puntomoto.com