



INSTRUCTION



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

Notice

- The lcd meter is apply for DC 12V.
- For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
- To avoid the short circuit, please don't pull the wire when installing. Don't break or modify the wire terminal.
- 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.

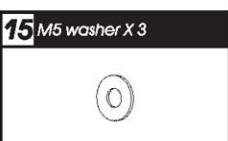
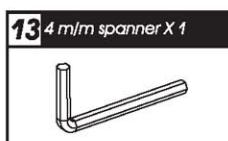
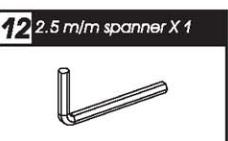
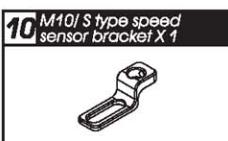
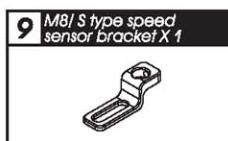
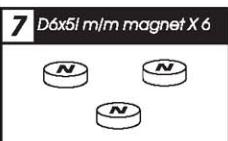
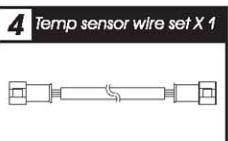
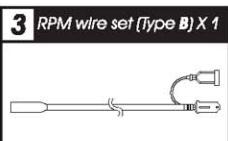
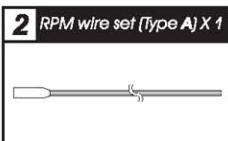
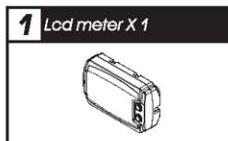
⚠️ Some processes must be followed to avoid the affection caused by wrong installation.

⚠️ Some processes must be followed to avoid damages to yourself or the public.

⚠️ Some processes must be followed to avoid the damage to the vehicle.

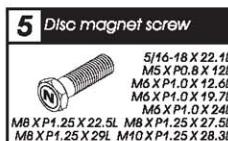
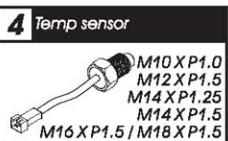
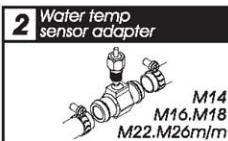
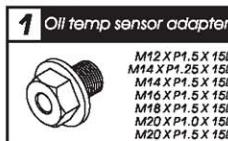
PRESS THE
BUTTON ONE TIME
PRESS THE
BUTTON 3
SECONDS

1-1 Accessory



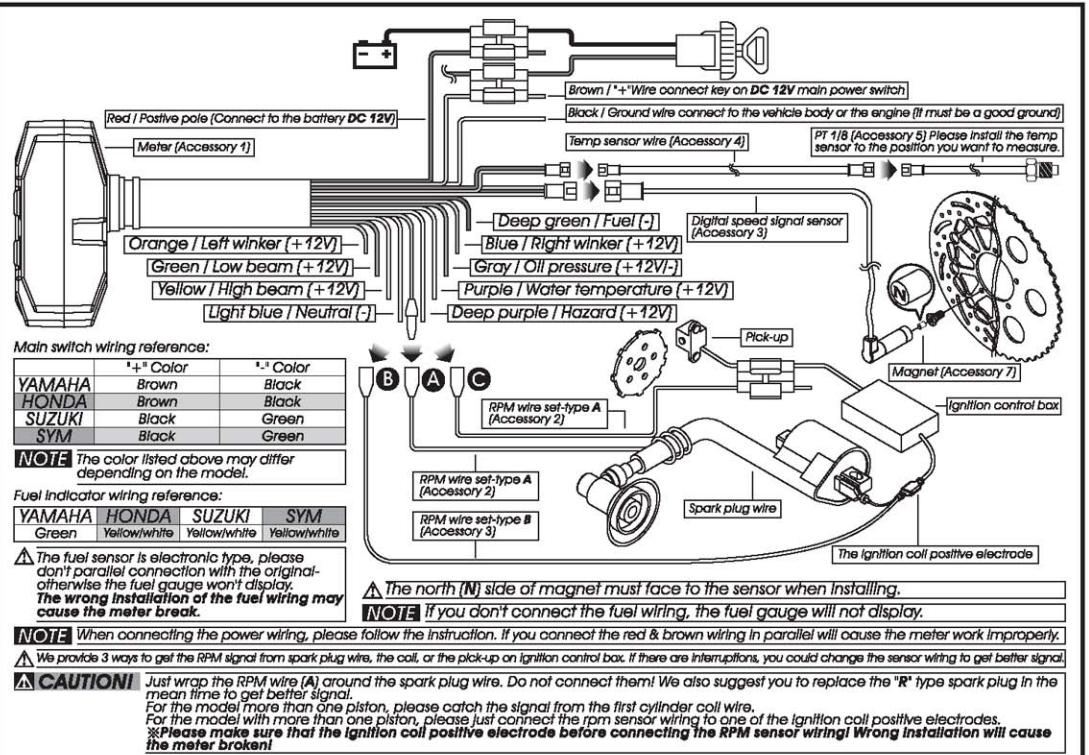
NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.

1-2 Option accessory

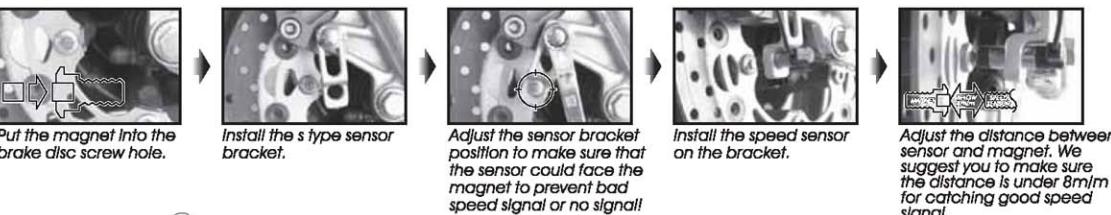


NOTE Some of the option accessories may not sell. For the details, please contact the local distributor.

2-1 Wiring installation instructions



2-2 Installation Instructions



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 ~ 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 ~ 2 ~ 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.

3-1 Basic function instruction

Fuel symbol

- Display range: 10 levels.
- The fuel reserve symbol begins to flash if only 3 grids left.

Thermometer

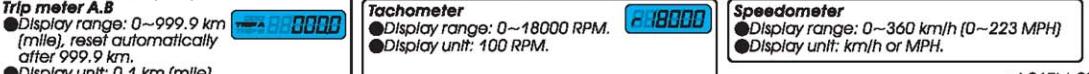
- Display range: 20~120°C (68~248°F), and display as 10 level.
- Display unit: one level is similar to 10°C (50°F).

Odo meter

- Display range: 0~99999 km (miles), reset automatically after 99999 km.
- Display unit: 1 km (miles).

Trip meter A/B

- Display range: 0~999.9 km (miles), reset automatically after 999.9 km.
- Display unit: 0.1 km (miles).



thermometer

- Display range: 0~120°C (32~248°F).
- Display unit: 0.1°C (°F).

Clock

- 24H

MAX record

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

Speedometer

- Display range: 0~360 km/h (0~223 MPH).
- Display unit: km/h or MPH.

3-2 Function, setting instruction

● Speed unit	km/h / MPH alternative
● Speedometer range	0~360 km/h (0~223 MPH)
○ Display Internal	<0.5 second
○ Odometer	0~99999 km (mile)
○ Trip A,B	0~999.9 km (mile)
○ Top speed record	0~360 km/h (0~223 MPH)
○ Tire circumference setting	1000~2500 m/m · Adjust unit: 1 m/m
● Tachometer range	Sensor point: 1~6
○ Display Internal	<0.5 second
○ MAX RPM record	0~15000 RPM
○ Stroke / piston setting	2 Stroke: 1, 2, 3, 4 pistons 4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
● Temperature unit	°C / °F
● Digital water temperature range	0~120°C (32~248°F) · Display unit: 0.1°C (0.1°F)
● Temperature level gauge display range	20~120°C (68~248°F), display in 10 level · Display unit: 1 level=10°C (50°F)
○ Display Internal	<0.5 second
○ Top temperature record	0~120°C (32~248°F)
● Fuel gauge	Display in 10 levels (one level means 10% fuel)
○ Fuel resistance setting	100 Ω · 510 Ω
● Clock	24 H

NOTE Design and specification are subject to change without notice!

3-3 The button function instruction

SELECT BUTTON

- In main screen, press the **Select button** to choose the display of clock, water temperature or oil temperature.
- In setting screen, press the **Select** to choose the function you want to set.

SELECT BUTTON X 3 SECONDS

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

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

ADJUST BUTTON

- In main screen, press the **Adjust button** to choose the display of odometer.

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 screen.

In main screen, press down the **Select & Adjust button** of 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 screen.

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

3-5 The main screen function switch instruction Select

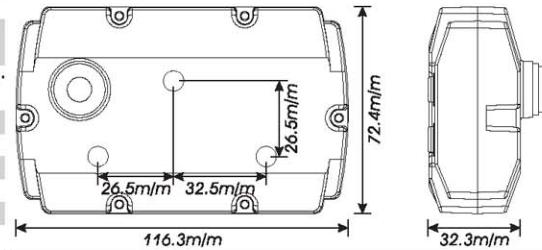
In main screen, press the **Select button** and then the screen will change from water temperature gauge + fuel gauge to clock + water temperature level gauge.
EX. Now the water temperature gauge is 28.5°C, and the fuel level gauge is full.

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

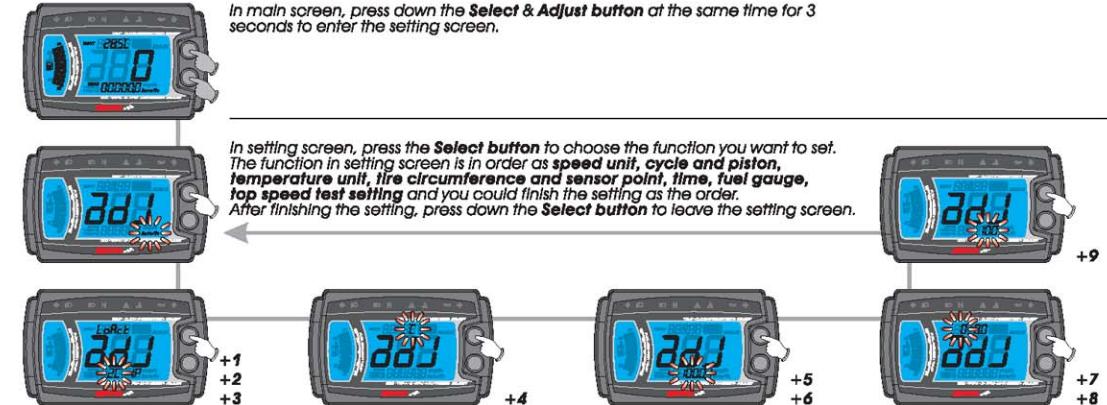
In main screen, press the **Select button** to switch the screen from clock + water temperature level gauge to water temperature gauge + fuel level gauge.
EX. Now the time is 12:00, and the water temperature level gauge is displayed as 21~30°C.

3-6 The main screen function switch Instruction Adjust

● 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
● Meter size	116.3 X 72.4 X 32.3 m/m
● Meter weight	Around 286 g
● Indicator light	Neutral (green light / -), High beam (blue light / +) Low beam (green light / +), Winker (green light / +) Hazard (Red light / +), Oil pressure (Red light / -) Water temperature light (Red light / +)



3-7 The setting screen instruction



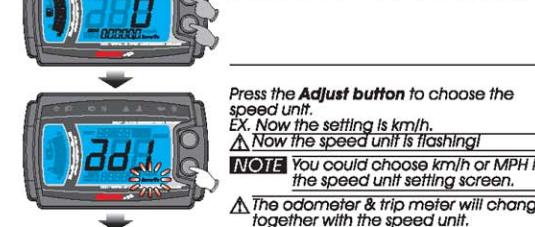
In main screen, press down the **Select & Adjust button** at the same time for 3 seconds to enter the setting screen.

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.

4-1 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 **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.



Press the **Select button** to continue the function setting.

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.

4-2 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** 1 times to enter the stroke/piston setting screen.

CAUTION!

- Make sure the correct strokes and pistons before setting.

- Make sure the input is correct, or the RPM 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 bikes with one single piston are igniting EVERY 360 degree once, so the setting should be the same as the bike with 2-stroke and one piston engine.

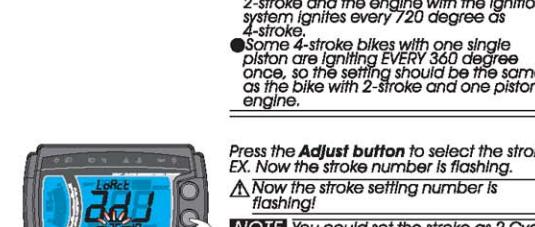


Press the **Select button** to enter the piston setting screen.
EX. Now the setting is changed from 2 Cycle to 4 Cycle.

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 **Adjust button** to select 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) & LO (the negative signal).

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.



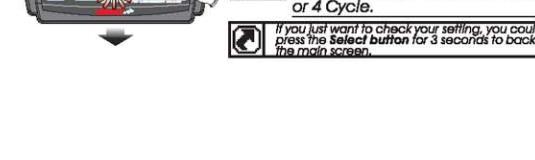
Press the **Select button** to enter the signal input setting.
EX. The piston setting is changed from 1 P (piston) to 4 P (pistons).

Press the **Adjust button** to 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) & LO (the negative signal).

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.



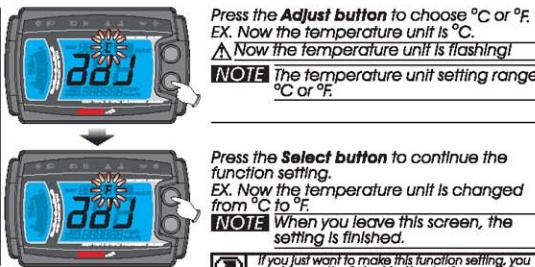
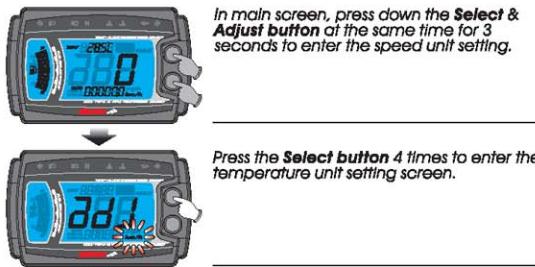
Press the **Select button** to enter other setting screen.

EX. The input signal is changed from LO to HI.

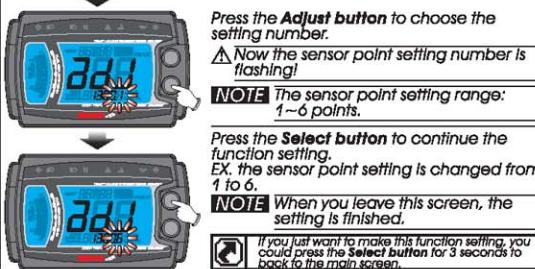
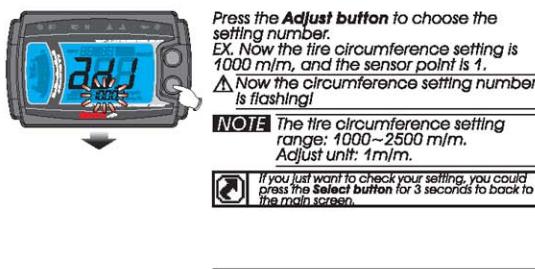
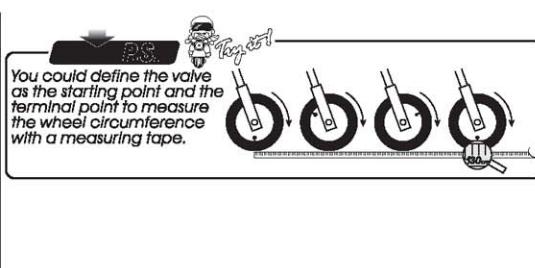
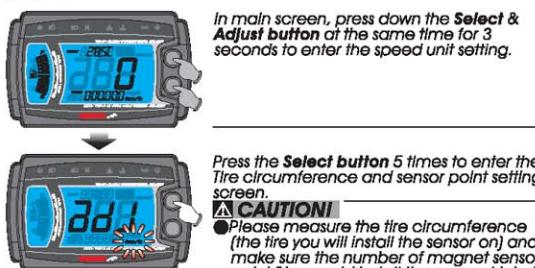
NOTE When you leave this screen, the setting is finished.

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

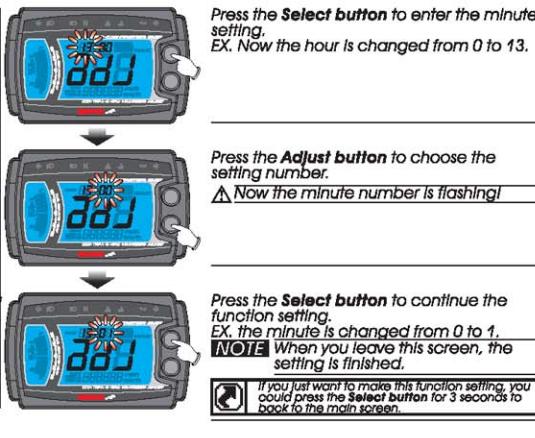
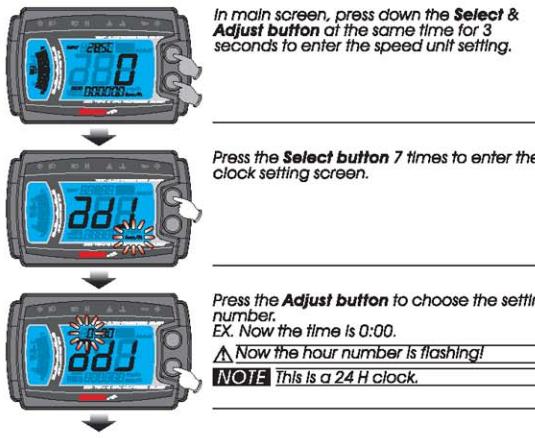
4-3 The temperature unit setting



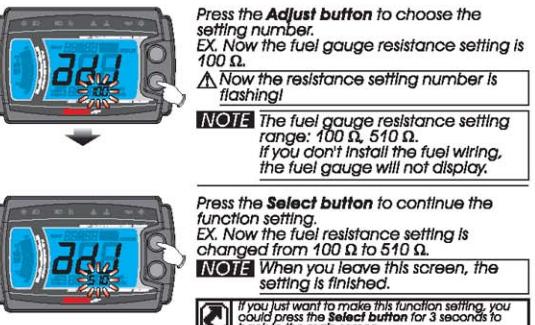
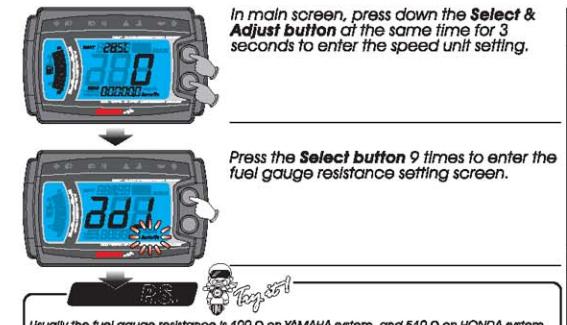
4-4 Tire circumference and sensor point setting



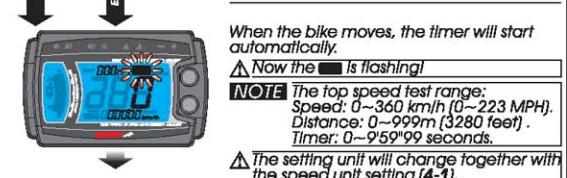
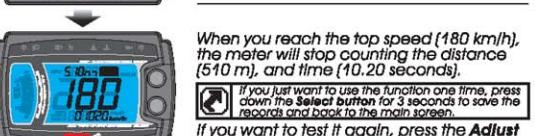
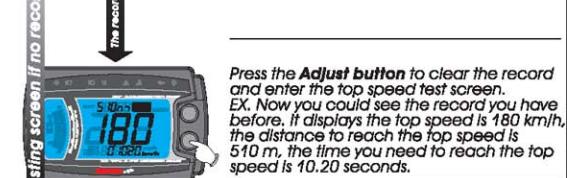
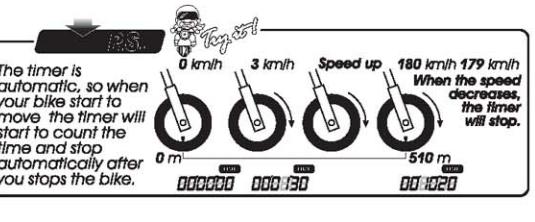
4-5 The clock setting



4-6 The fuel gauge resistance setting



5 Power TEST The top speed test



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: 0~999 m (3280 feet).
Timer: 0~959'99 seconds.

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

When the bike moves, the timer will start automatically.

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⚠️ Now the **■** is flashing!

NOTE The top speed test range:
Speed: 0~360 km/h (0~223 MPH).
Distance: 0~999 m (3280 feet).
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