1-1 Accessory

1 Meter X 1

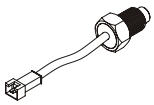
2 Main wiring X 1

3 RPM wire (Type **A**) X 1

4 RPM wire (Type **B**) X 1

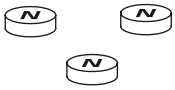
5 Temp sensor wire X 2

6 PT1/8 water temp sensor X 2

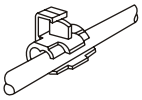


7 Digital speed signal sensor X 1

8 D6 X 5L mm magnet X 6



9 Connect terminal X 11



10 M8 / S type speed sensor bracket X 1

11 M10 / S type speed sensor bracket X 1

12 M5 X 5L mm hexagonal bolt X 2

13 2.5 mm spanner X 1

14 3 mm spanner X 1

15 Meter bracket X 1

16 M5 screw X 3

17 M5 gasket X 3

18 M6 X 35L screw X 2

19 M8 X 30L screw X 2

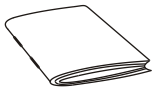
20 M6 screw X 2

21 M8 screw X 2

22 M6 gasket X 2

23 M8 gasket X 2

24 Manual X 1



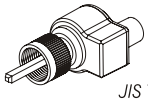
1-2 Option accessory

1 Disc magnet screw

5/16-18 X 22.1L
M5 X P0.8 X 12L
M6 X P1.0 X 12.6L
M6 X P1.0 X 19.7L
M6 X P1.0 X 24L
M8 X P1.25 X 22.5L M8 X P1.25 X 27.5L
M8 X P1.25 X 29L M10 X P1.25 X 28.3L

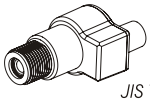
2 Active speed sensor

3 Digital speed signal sensor



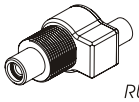
JIS TYPE a

4 Digital speed signal sensor



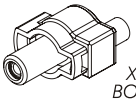
JIS TYPE A

5 Digital speed signal sensor



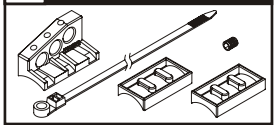
RUNNER

6 Digital speed signal sensor



SR
X-FIGHT
BOOSTER

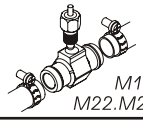
7 L type speed sensor bracket



8 Oil temp sensor adapter

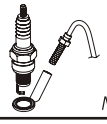
M12 X P1.5 X 15L
M14 X P1.25 X 15L
M14 X P1.5 X 15L
M16 X P1.5 X 15L
M18 X P1.5 X 15L
M20 X P1.0 X 15L
M20 X P1.5 X 15L

9 Water temp sensor adapter



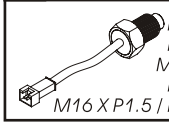
M14
M16.M18
M22.M26 mm

10 Cylinder head temp sensor



M10.
M14 mm

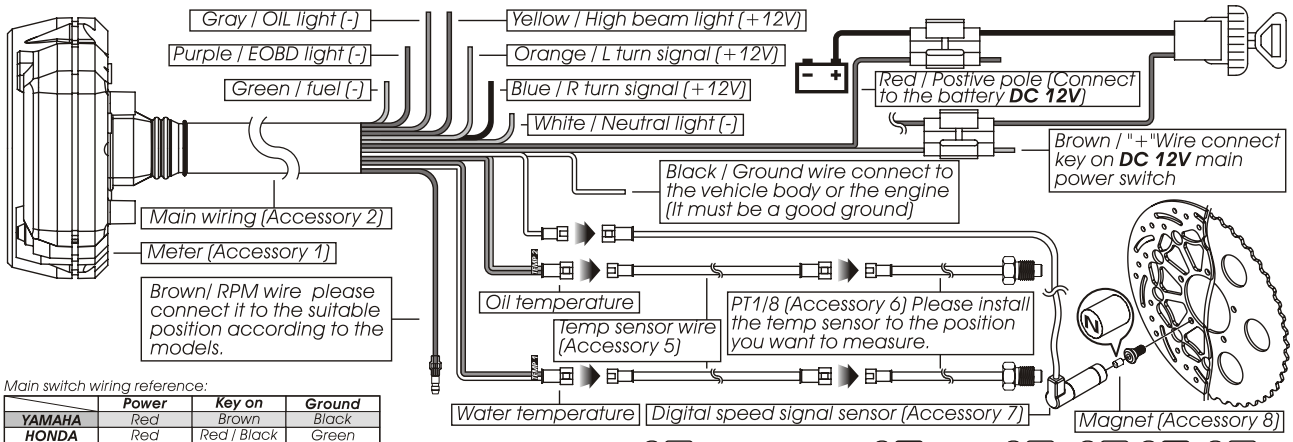
11 Temp sensor



M10 X P1.0
M12 X P1.5
M14 X P1.25
M14 X P1.5
M16 X P1.5 / M18 X P1.5

12 Temp sensor wire set (2 M)

2-1 Wiring installation instructions



Main switch wiring reference:

	Power	Key on	Ground
YAMAHA	Red	Brown	Black
HONDA	Red	Red / Black	Green
SUZUKI	———	Black	Green
KAWASAKI	White	Brown	Black / Yellow
KYMCO	Red	Black	Green
SYM	Red	Black	Green
PGO	Red / White	Orange	Black

NOTE The color listed above may differ depending on the model.

RPM wiring reference:

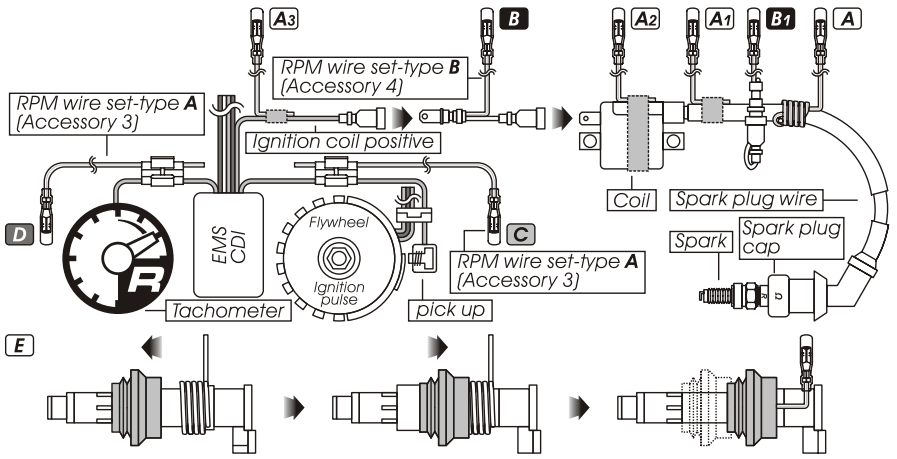
YAMAHA	Yellow / Black	BUELL	Pink
HONDA	Yellow / Green	CAGIVA	Gray / Green
SUZUKI	Yellow / Blue	DUCATI	Gray / Green
KAWASAKI	Light Blue	H-D	Pink
APRILIA	Gray / Violet	MV	Gray / Yellow
BMW	Black	TRIUMPH	Red
BENNELLI	Gray / Violet		

NOTE The color listed above may differ depending on the model.

Fuel indicator wiring reference:

YAMAHA	Green	KYMCO	Yellow / White
HONDA	Yellow / White	SYM	Yellow / White
SUZUKI	Yellow / White	PGO	Gray
KAWASAKI	Black / L Green		

⚠ The fuel sensor is electronic type, please don't parallel connection with the original- otherwise the fuel gauge won't display.
The wrong installation of the fuel wiring may cause the meter break.



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

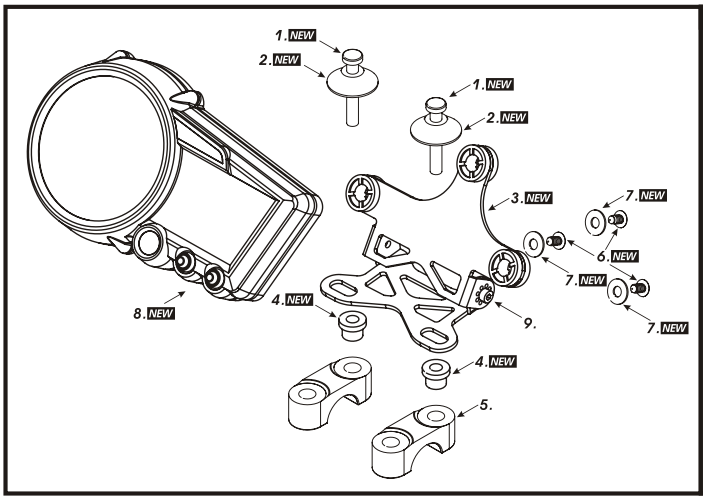
NOTE When connecting the power wiring, please follow the instruction. If you connect the red & brown wiring in parallel will cause the meter work improperly.

⚠ The RPM wire installation

A. Please wrap the RPM wire at least 5 times around the spark plug.
A1. Please use tape to fix the RPM (Type **A**) wire onto the spark plug wire.
A2. Please use tape to fix the 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 drawing.

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 RPM signal.

2-2 Installation instructions



When installing, please follow the process

1.M6 or M8 screw X 2 (Accessory 18.19)
2.M6 or M8 aluminum screw bush X 2 (Accessory 20.21)
3.Bracket (Accessory 15)
4.M6 or M8 gasket X 2 (Accessory 22.23)
5.Handle bar bracket

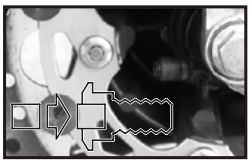
NOTE You could also install it (meter bracket) on the original meter bracket.

6.M5 screw X 3 (Accessory 16)
7.M5 gasket X 3 (Accessory 17)
8.Meter (Accessory 1)
9.Meter bracket micro-adjustment screw

NOTE You could choose the angle first and then use the screw to fix the angle.

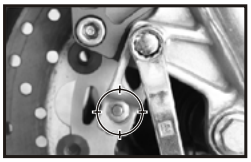
NOTE The handle bar bracket screw and screw hole will differ depending on different model. We suggest you to use the additional assembly (item 1.2.4) to fit it.

MOTO / SCOOTER S type speed sensor bracket instruction

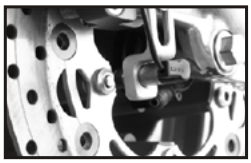


Put the magnet into the brake disc screw hole.

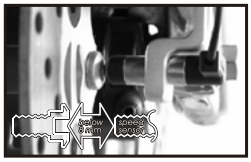
Install the s type sensor bracket.



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

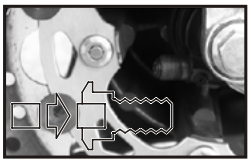


Install the speed sensor on the bracket.



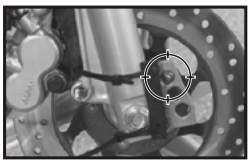
*Adjust the distance between sensor and magnet. We suggest you to make sure the distance is under **8 mm** for catching good speed signal.*

MOTO / SCOOTER L type speed sensor bracket instruction



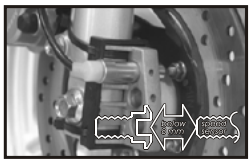
Put the magnet into the brake disc screw hole.

Please install the L bracket and the anti-slip rubber on the front fork and adjust it to the proper height and angle.



Please use the cable tie to fix the bracket on the front fork. Please make sure the disc screw could pass the hole on the bracket for you to install the sensor into the same hole for catching the speed signal.

Install the speed sensor on the bracket.

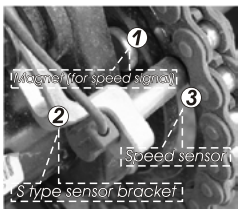


*Adjust the distance between sensor and magnet. We suggest you to make sure the distance is under **8 mm** for catching good speed signal.*

ATV S type speed sensor bracket instruction

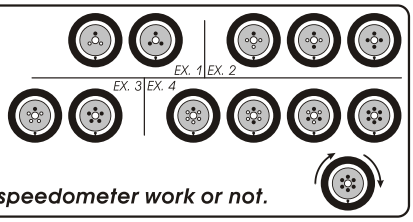
1. *Put the magnet into the brake disc screw hole.*
2. *Install the s type sensor bracket. Adjust the sensor bracket position to make sure that the sensor could face the magnet to prevent bad speed signal or no signal!*
3. *Install the speed sensor on the bracket. Adjust the distance between sensor and magnet. We suggest you to make sure the distance is under **8 mm** for catching good speed signal.*

NOTE *About the setting, please refer to **4-7** tire circumference and sensor point setting.*



P.S. Try it!

*The more magnet sensor points are, the less the display interval is. 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.

*Thank you for purchasing **KOSO RX2 GP style meter** , before operating the unit, please read the instruction thoroughly and retain it for the future reference.*

⚠ 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. *Don't break or modify the wire terminal. To avoid the short circuit, please don't pull the wire when installing.*
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.*
⚠ 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.*

Press the button one time

Press the button 3 seconds

3-1 Auto-checking screen

Off

Check 3
Green

Check 1
Red

Green

Check 2
Blue

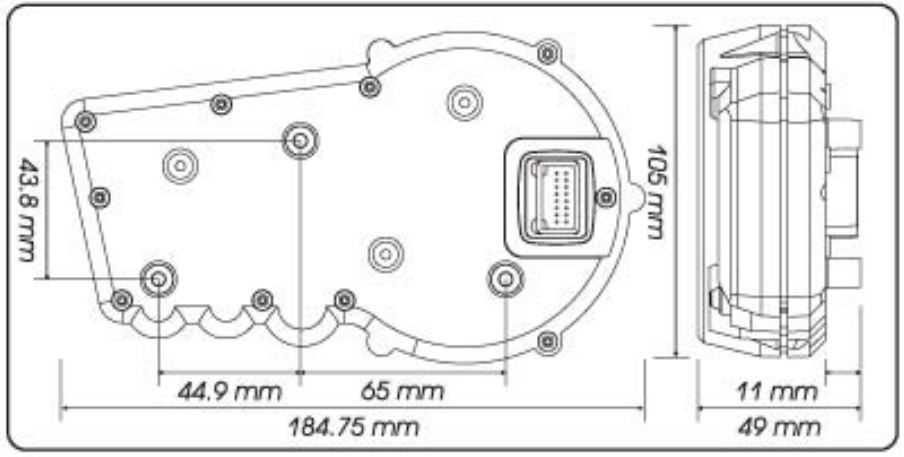
Green

Blue

On
Blue

NOTE *It will enter the setting screen automatically when the first time you start it.*

3-2 Basic function instruction



3-2 Basic function instruction

Clock
●24H

Digital thermo meter (water & oil temperature)
●Display range: 0~120°C (32~248°F)
●Display unit: 0.1°C (°F)

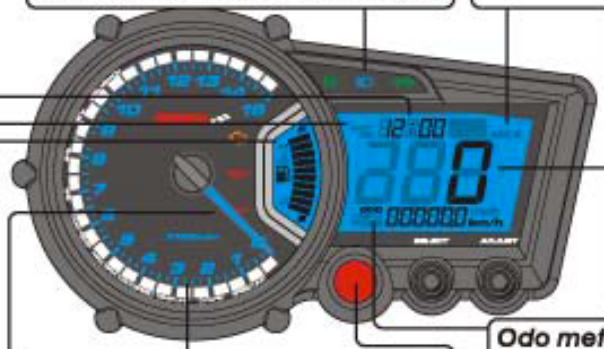
Temperature warning
●Setting range: 60~120°C (140~248°F).
●Setting unit: 1°C (°F).
>Regarding the setting, please check **4-6**.

Fuel symbol
●Display range: 10 levels.

Level thermometer (water temperature)
●Display range: 20~120°C (68~248°F) ,10 levels.
●Display unit: Each level represents 10°C (50°F)

Speeding warning light
●Setting range: 30~180 km/h (20~110 MPH).
●Setting unit: 5 km/h (MPH).
>Regarding the setting, please check **4-4**.

Indicators lights
●Repeater light (Green)
●Neutral light (Green) N
●High beam light (Blue)
●EOBD light (Amber)
●Engine oil pressure light (Red)



Tachometer
●Display range: 0~15,000 RPM.
●Display unit: 100 RPM.

Tachometer warning light
●Setting range: 5,000~15,000 RPM.
●Setting unit: 100 RPM.
>Regarding the setting, please check **4-5**.

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 & MPH for alternative
>Regarding the setting, please check **4-1**.

Odo meter
●Display range: 0~99999.9 km (mile), reset automatically after 99999.9 km.
●Display unit: 0.1 km (mile).

Trip meter A.B
●Display range: 0~999.9 km (mile), reset automatically after 999.9 km.
●Display unit: 0.1 km (mile).

The top RPM recall indicator light
●The indicator light will move according to the current RPM.
●The top RPM indicator light will show you the top RPM you reach and light on for 3 seconds.

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 power test screen, press the **Select button** to choose the function you want to use.
3. In setting screen, press the **Select to choose** the function you want to set.

Select button X 3 seconds

1. In main screen, hole down the **Select button** for 3 seconds to enter the power test screen.
2. In power test screen, hole down the **Select button** for 3 seconds to back to the main screen.
3. In setting screen, hole down the **Select button** for 3 seconds to back to the main screen.

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 button** to make the number setting. If you keep pressing down the **Adjust button** the setting number will increase fast.

Adjust button X 3 seconds

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

Press down the adjust button

In setting screen, to add the setting value fast.

Select & adjust X 3 seconds

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

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

3-4 The screen switch instruction

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

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

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

In power test screen, hole down the **Select buttons** for 3 seconds to back to the main screen.

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

3-5 The main screen function switch instruction Select

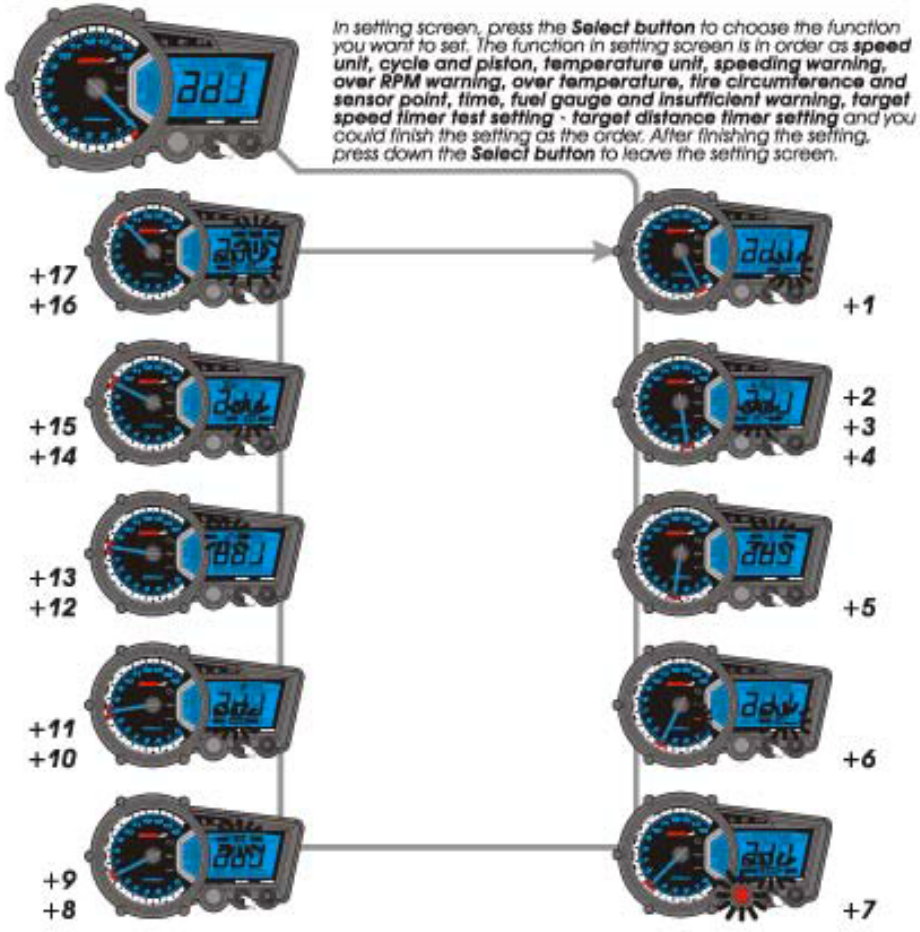
*In main screen, press the **Select button** to choose the function combination you want to display on the screen.*
The alternative combination is as the circle we list: clock+fuel gauge > water temperature+fuel gauge > oil temperature+water temperature level gauge > clock+fuel gauge

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

3-6 The main screen function switch instruction Adjust

*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 > MAX record.

3-7 The setting screen instruction



*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, speeding warning, over RPM warning, over temperature, tire circumference and sensor point, time, fuel gauge and insufficient warning, target speed timer test setting - target distance timer 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.*

3-8 The power test screen instruction

*In power test screen, press the **Select button** to choose the test you want to do. The test function is in order as target speed timer, target distance timer, top speed timer.*

*In power test screen, press the **Select button** to switch from the target speed timer to target distance timer.*
EX. Now it is in the target speed timer screen, and the setting is 0~110 km/h.

*In power test screen, press the **Select button** to switch from the target distance timer to the top speed timer screen.*
EX. Now the screen switch from the target speed timer screen to the target distance timer screen, and the setting is 0~100 M (2/32 mile).

*In power test screen, press the **Select button** to switch from the top speed timer to the target speed timer.*
EX. Now the screen switch from the target distance timer screen to the top speed timer screen, and the setting is 0~100 M (2/32 mile).

4 Function, setting instruction

●Speedometer	Display range: 0~360 km/h (0~223 MPH) Display unit: km/h & MPH for alternative
○Display internal	<0.5 second
○Odometer	Display range: 0~99999.9 km (mile), reset automatically after 99999.9 km (mile).
○Trip meter A/B	Display range: 0~999.9 km (mile), reset automatically after 999.9 km (mile)
○Speeding warning light	Setting range: 30~180 km/h (20~110 MPH) Setting unit: 5 km/h (MPH)
○Top speed record	Display range: 0~360 km/h (0~223 MPH)
○Tire circumference	Setting range: 300~2,500 mm Setting unit: 1 mm · Sensitive point: 1~60
●Tachometer	Display range: 0~15,000 RPM Display unit: 100 RPM
○Display internal	<0.5 second
○Shift light	Setting range: 5,000~15,000 RPM Setting unit: 100 RPM
○MAX RPM record	Display range: 0~15,000 RPM
○Stroke / piston setting	2 Stroke: 1, 2, 3, 4 pistons 4 Stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
●Thermometer	Display unit: °C & °F for alternative
●Digital thermometer (Water & oil temperature)	Display range: 0~120°C (32~248°F) Display unit: 0.1°C (°F)
●Level thermometer (Water temperature)	Display range: 20~120°C (68~248°F), 10 levels Display unit: Each level represents 10°C (50°F)
○Display internal	<0.5 second
○Over heat warning (Water & oil temperature)	Setting range: 60~120°C (140~248°F) Setting unit: 1°C (°F)
○Top temperature record	Display range: 0~120°C (32~248°F)
●Fuel meter	Display range: 10 levels Display unit: Each level represents 10 % Setting range: 100 Ω, 510 Ω, no display
○Insufficient fuel warning	Setting range: 10~50 % Setting unit: 10 %
●Clock	24 H
●Target speed timer	Setting range: 30~360 km/h (20~220 MPH) Setting unit: 5 km/h (MPH)
●Target distance timer	Setting range: 50~1,000 M (1/32~20/32 mile) Setting unit: 50 M (1/32 mile)
●Top speed timer	The record including, 1.Speed: 0~360 km/h (0~223 MPH) 2.Distance: 0~999 M (0~3,280 feet) 3.RPM: 0~15,000 RPM 4.Timer: 0~9'59"99 second.
●**Effective voltage**	**DC12V**
●Effective temperature range	-10~+60°C
●Meter standard	JIS D 0203 S2
●Meter size	180.2 x 49 x 105 mm
●Meter weight	Around 305 g
●Indicator light color	Neutral-green, High beam-blue, Repeater-green, EOBD-amber, Oil-red, Speeding-red, RPM shift light yellow / red.

NOTE Design and specification are subject to change without notice!

4-1 Speed unit setting

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

4-2 Cycle / piston setting

*In setting screen, press the **Select button** 2 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 **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.*

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

*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

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4-2 Cycle / piston setting

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 hight (The positive signal) & low (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 hight to low.

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

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

4-3 The temperature unit setting

In setting screen, press the **Select button** 5 times to enter the temperature unit setting screen.

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

⚠ Now the temperature unit is flashing!

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 hold down the **Select button** for 3 seconds to back to the main screen.

4-4 Speeding warning setting

In setting screen, press the **Select button** 6 times to enter the speeding warning setting screen.

P.S.

The speeding light will light on when the speed reaches your speeding warning setting.

Press the **Adjust button** to choose the setting number. EX. Now the speeding warning light setting is 30 km/h.

⚠ Now the speeding warning light and the setting is flashing!

NOTE The speeding warning setting range: 30~180km/h (20~110 MPH).
Setting unit: 5 km/h (MPH)

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

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

Press the **Select button** to continue the function setting.
EX. Now the setting is changed from 30 km/h to 60 km/h.

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

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

4-5 Over RPM warning setting

In setting screen, press the **Select button** 7 times to enter the over RPM warning setting screen.

P.S.

If you set the over RPM warning setting as 12,000 RPM, the yellow light will light on at 11,500 RPM and the red light will light on when it reaches 12,000 RPM.

Press the **Adjust button** to choose the setting number.
EX. Now the over RPM warning setting is 9,000 RPM.

⚠ Now the shift light and the setting number is flashing!

NOTE The over RPM warning setting range: 3,000~15,000 RPM.
Setting unit: 100 RPM.

Press the **Select button** to continue the function setting.
EX. Now the over RPM warning setting is changed from 9,000 RPM to 12,000 RPM.

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

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

4-6 Over heat warning setting

In setting screen, press the **Select button** 8 times to enter the over heat warning (Water temperature) setting screen.

P.S.

The temperature logo on LCD will flash when the temperature reached your setting.

Press the **Adjust button** to choose the setting number.
EX. Now the over heat warning (Water temperature) setting is 90.0°C.

⚠ Now the water temperature logo and the setting number are flashing!

NOTE The over heat warning setting range: 60~120°C (140~248°F).
Setting unit: 1°C (°F).

⚠ The setting unit will change together with the temperature unit setting (**4-3**).

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

Press the **Select button** to enter the over heat warning (Oil temperature) setting.
EX. Now the setting is changed from 90.0°C to 95.0°C.

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Press the **Adjust button** to choose the setting number.
EX. Now the over heat warning (Oil temperature) setting is 90.0°C.

⚠ Now the oil temperature logo and the setting number are flashing!

NOTE The over heat warning setting range: 60~120°C (140~248°F).
Setting unit: 1°C (°F).

Press the **Select button** to continue the function setting.
EX. Now the setting is changed from 90.0°C to 95.0°C.

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

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

4-7 Tire circumference and sensor point setting

In setting screen, press the **Select button** 10 times to enter the Tire circumference and sensor point setting screen.

⚠ 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 the 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 **Adjust button** to choose the setting number.
EX. Now the tire circumference setting is 1,000 mm, and the sensor point is 1.

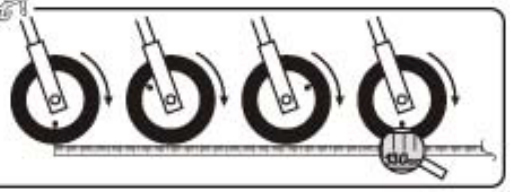
⚠ Now the circumference setting number is flashing!

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

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

P.S.

You could define the valve as the starting point and the terminal point to measure the wheel circumference with a measuring tape.



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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.

⚠ Now the sensor point setting number is flashing!

NOTE The sensor point setting range: 1~60 points.

Press the **Select button** to continue the function setting.
EX. the sensor point setting is changed from 1 P to 6 P.

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

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

4-8 The clock setting

In setting screen, press the **Select button** 12 times to enter the clock setting screen.

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 enter the minute setting.
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 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.

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

4-9 The fuel gauge resistance and insufficient fuel warning setting

In setting screen, press the **Select button** 14 times to enter the fuel gauge resistance and insufficient fuel warning setting screen.

Press the **Adjust button** to choose the setting number.
EX. Now the fuel gauge resistance setting is 100 Ω and the insufficient setting is 30 %.

⚠ Now the resistance setting number is flashing!

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

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

P.S. Tag, it!

Usually the fuel gauge resistance is 100 Ω on YAMAHA system, and 510 Ω on HONDA system.
The insufficient fuel warning setting: When the fuel is less than your setting, the fuel level gauge will flash to warn you.

Press the **Select button** to enter the insufficient warning setting.
EX. Now the fuel resistance setting is changed from 100 Ω to 510 Ω.

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4-9 The fuel gauge resistance and insufficient fuel warning setting

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

⚠ Now the insufficient setting number is flashing!

NOTE The insufficient fuel warning setting range: 10~50 %. Setting unit: 10 %.

Press the **Select button** to continue the function setting.
EX. the setting is changed from 30 % to 20 %.

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

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

4-10 The target speed timer / target distance timer setting

In setting screen, press the **Select button** 16 times to enter the target speed timer setting screen.

Press the **Adjust button** to choose the setting number.
EX. The target speed timer setting is 0~50 km/h and the target distance timer setting is 1/32 mile (50 M).

⚠ Now the [unit] and target speed number is flashing!

NOTE The target speed timer setting range: 30~360 km/h (20~220 MPH). Setting unit: 5 km/h (MPH).

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

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

Press the **Select button** to enter the target distance timer warning setting.
EX. Now the target speed timer is changed from 0~50 km/h to 0~110 km/h.

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

⚠ Now the [unit] and target distance number is flashing!

NOTE The target distance timer setting range: 50~1,000 M (1/32~20/32 mile). Setting unit: 50 M (1/32 mile).

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4-10 The target speed timer / target distance timer setting

Press the **Select button** to continue the function setting.
EX. Now the target distance timer setting is changed from 1/32 mile (50 M) to 2/32 mile (100 M).

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

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

5-1 Power Test Target speed timer test

⚠WARNING!
Please use this function at racetrack to avoid traffic accidents.

In power test screen, press the **Select button** one time to enter the target speed timer test screen.

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.

Enter the testing screen if no record

The record display screen

Press the **Adjust button** to clear the record and enter the target speed timer test screen.
EX. Now you could see the record you have before. It displays the target speed timer setting as 0—110 km/h, the test result: 19"20 seconds. The top speed is 110 km/h during the test., The MAX RPM is 10,000 RPM during the test.

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

Enter the testing screen

When the bike moves, the timer will start automatically.

⚠ Now the [redacted] is flashing!

NOTE About the power test setting, please check **4-10**.

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5-1 Power Test Target speed timer test

P.S.

The timer is automatic, so when your bike start to move the timer will start to count the time and stop automatically after you stops the bike.

⚠ During the test, the [redacted] will keep flashing!

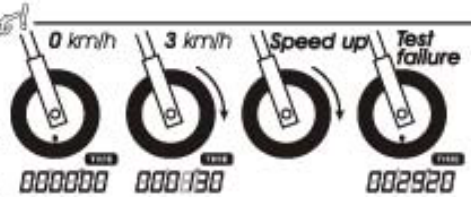
When you reach the target speed you set (0~110 km/h), the timer will stop counting (19"20 second).

If you just want to use the function one time, hold 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.

P.S.

If you don't reach the target speed or stop accelerating during the test, you could press the **Adjust button** to stop the timer. Then you could press the **Adjust button** one time to clear the record and enter the target speed timer test screen.



5-2 Power Test Target distance timer test

⚠WARNING!

Please use this function at racetrack to avoid traffic accidents.

In power test screen, press the **Select button** 2 times to enter the target distance timer test screen.

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.

Enter the testing screen if no record

The record display screen

Press the **Adjust button** to clear the record and enter the target distance timer test screen.
EX. Now you could see the record you have before. It displays the target speed timer setting as 2/32 mile (100 M), the test result: 10"27 seconds. The top speed is 63 km/h during the test., The MAX RPM is 8,000 RPM during the test.

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

Enter the testing screen

When the bike moves, the timer will start automatically.

⚠ Now the [redacted] is flashing!

NOTE About the power test setting, please check **4-10**.

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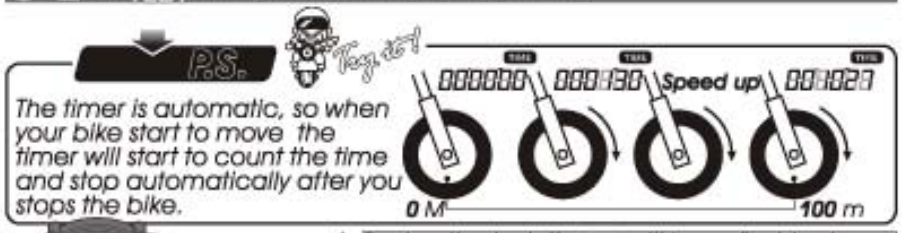
5-2 Power TEST Target distance timer test



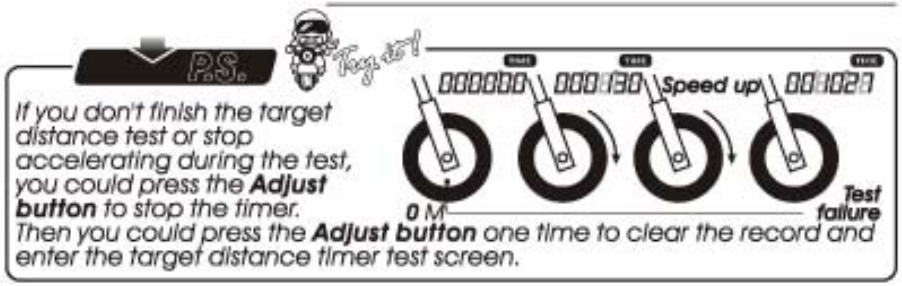
The timer is automatic, so when your bike start to move the timer will start to count the time and stop automatically after you stops the bike.

⚠ During the test, the will keep flashing!

When you reach the target distance you set (100 M . 2/32 mile), the timer will stop counting (10"27 second).

If you just want to use the function one time, hold 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.



If you don't finish the target distance test or stop accelerating during the test, you could press the **Adjust button** to stop the timer.
Then you could press the **Adjust button** one time to clear the record and enter the target distance timer test screen.

5-3 Power TEST The top speed test

⚠WARNING!
Please use this function at racetrack to avoid traffic accidents.

In power test screen, press the **Select button** 3 times to enter the top speed test screen.

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.

Enter the testing screen if no record

The record display screen

Press the **Adjust button** to clear the record and enter the top speed test screen.
EX. Now you could see the record you have before. It displays the top speed is 180 km/h, the distance to reach the top speed is 510 M, The MAX RPM is 10,000 RPM during the test, the time you need to reach the top speed is 10"20 seconds.

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

Enter the testing screen

When the bike moves, the timer will start automatically.

⚠ Now the is flashing!

NOTE The top speed test range:
Speed: 0~360 km/h. Distance: 0~999 M (3280 feet) RPM: 0~15,000 RPM.
Timer: 0~9'59"99 seconds.

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

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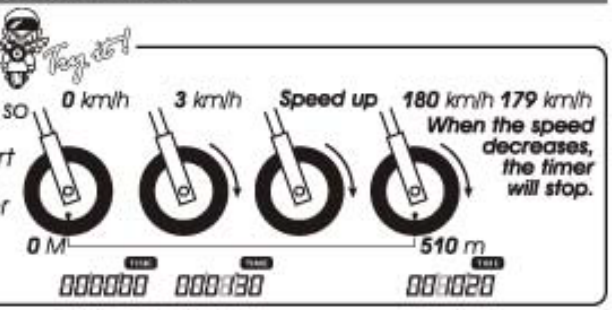
5-3 Power TEST The top speed test

P.S.

The timer is automatic, so when your bike start to move the timer will start to count the time and stop automatically after you stops the bike.



⚠ During the test, the will 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, hold 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.

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 item
The meter doesn't work when the power is on.	●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.
The meter shows wrong information.	●**Please check the voltage of your battery, and make sure the voltage is over DC12V.**
Speed does not appear or appear incorrectly.	●Please make sure the speed sensor is connected correctly. ●Please check the tire-size setting. →please refer to the manual **4-7**.
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.	●Please check your fuel tank. →Is there any fuel inside ? ●Please check the wiring. →Do you connect the wiring correctly ? ●Please check the setting. →Please refer to the manual **4-9**.
Temp does not appear or appear incorrectly.	●**Please check the sensor.** →**Does the wiring break or falling off ?**
The clock is incorrect.	●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.