



●Thank you for purchasing **KOSO GP style speedometer**. Before operating the unit, please read the instruction thoroughly and retain it for the future reference.

## Notice

- 1.The led 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.

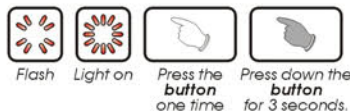
### MARK MEANING:

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

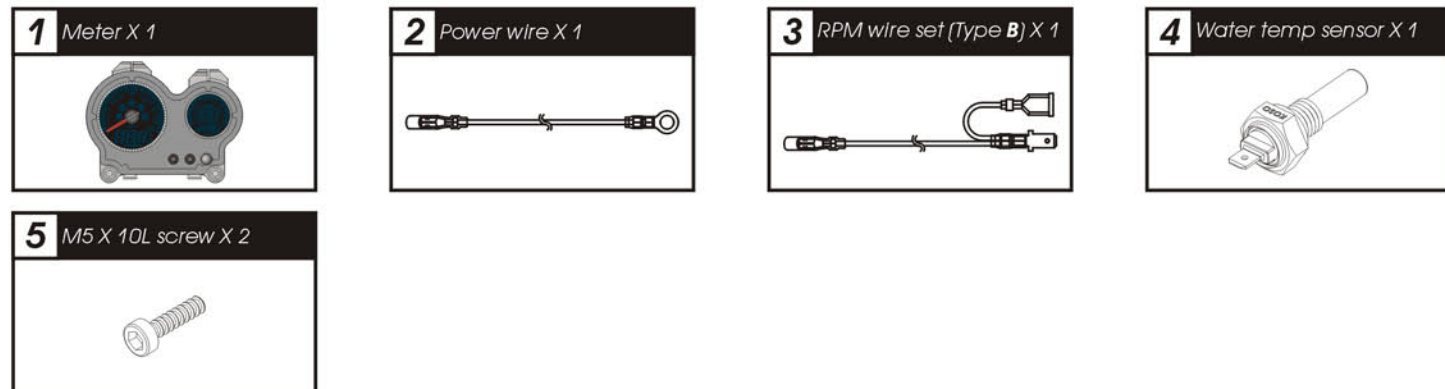
▲ Some processes must be followed to avoid the affection caused by wrong installation.

▲ **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.

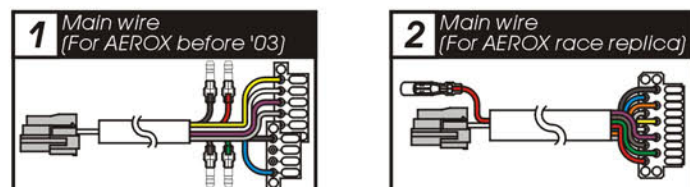


## 1-1 Accessory



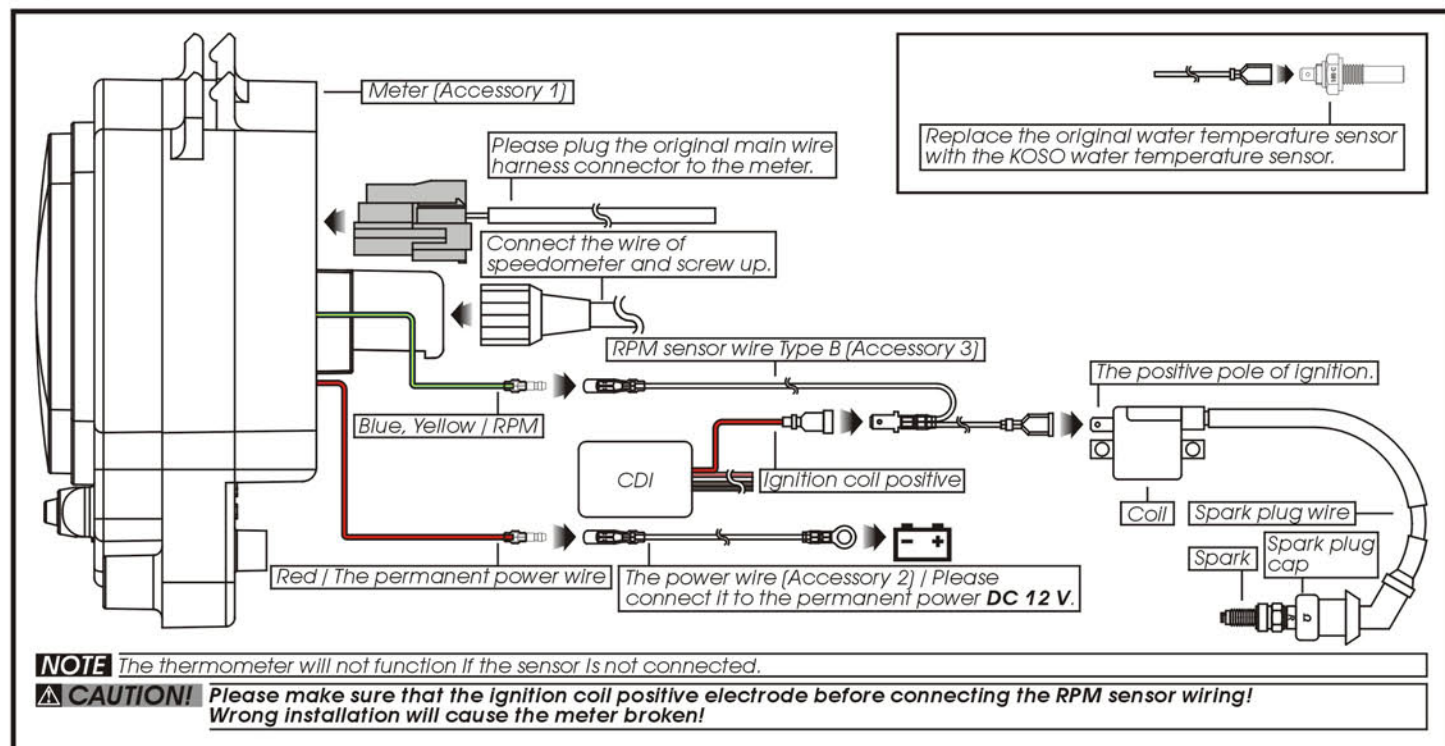
**NOTE** Please check if the accessories come with the meter is the same as above when you open the box. If not, please contact the local distributor for it.

## 1-2 Option accessory



**NOTE** Some of the optional parts may be unsold in your area, please check it with the local distributor for the further information.

## 2 Wiring installation instructions



## 3-1 Overview

### Bar graph tachometer

- Display range: 0~10,000 / 15,000 RPM.
- Display unit: 166 / 250 RPM.
- The Max RPM Indicator will move according to the Max RPM the RPM needle reach.
- The max indicator will stay on the LCD for 3 seconds after you reach it.



### Speeding warning light

- Setting range: 30~199 km/h (19~124 MPH).
- Setting unit: 1 km/h (MPH).

### Over temp warning light

- Setting range: 60~150°C (140~302°F).
- Setting unit: 1°C (°F).

### Digital Tachometer

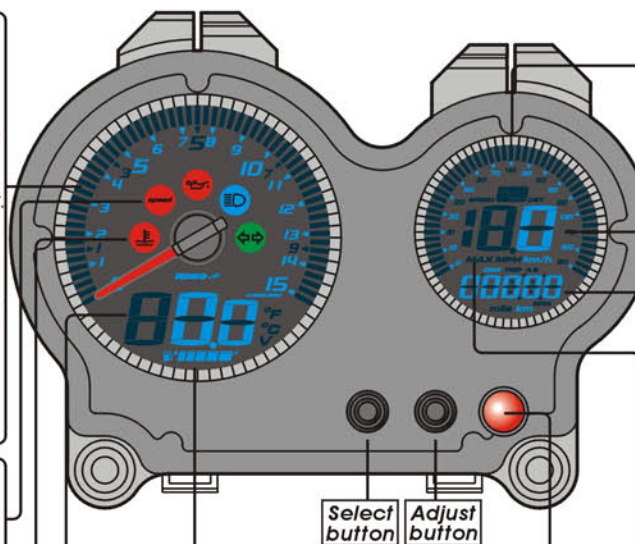
- Display range: 0~20,000 RPM.
- Display unit: 100 RPM.

### Thermometer

- Display range: 0~150°C (32~302°F).
- <100°C (°F) Display unit: 0.1°C (°F).
- >100°C (°F) Display unit: 1°C (°F).

### Volt meter

- Display range: DC 8.0~18.0 V.
- Display unit: DC 0.1 V.



### The bar graphic speedometer

- The display range: 0~80 MPH / 0~80 Km/h / 0~160 Km/h.
- The display unit: 6.6 MPH / 6.6 Km/h / 3.3 Km/h.

### Speedometer

- Display range: 0~199 km/h (0~124 MPH).
- Display unit: 1 km/h. (MPH)

### Odometer

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

### Trip meter A.B

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

### Clock

- 24 H.

### Max. record

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



## 3-2 Function, setting instruction

●Speedometer	Display range: 0~199 km/h (0~124 MPH) Display unit: 1 km/h (MPH)	●Thermometer	Display range: 0~150°C (32~302°F) <100°C(°F)Display unit: 0.1°C (°F) >100°C(°F)Display unit: 1°C (°F)
●Bar graph speedometer	Display range: 0~80 MPH / 80 / 160 km/h Display unit: 6.6 MPH / 6.6 / 3.3 km/h	○Display internal	<0.5 second
○Display internal	<0.5 second	○Over temp warning light	Setting range: 60~150°C (140~302°F) Setting unit: 1°C (°F)
○Odometer	Display range: 0~99999 km (mile), reset automatically after 99999 km (mile) Display unit: 1 km (mile)	○Top temperature record (Max.)	Display range: 0~150°C (32~302°F)
○Trip meter A.B	Display range: 0~999.9 km (mile), reset automatically after 999.9 km (mile) Display unit: 0.1 km (mile)	●Fuel meter	Display range: 5 levels Display unit: Each level represents 20 %
○Speeding warning light	Setting range: 30~199 km/h (19~124 MPH) Setting unit: 1 km/h (MPH)	○Insufficient fuel warning	The fuel reserve symbol begins to flash if Only 1 grids left
○Top speed record (Max.)	Display range: 0~199 km/h (0~124 MPH)	●Clock	24 H
○Tire circumference compensation	Setting range: 50~210 % Setting unit: 1 %	●Volt meter	Display range: DC 8.0~18.0 V Display unit: DC 0.1 V
●Needle tachometer	Display range: 0~10,000 / 15,000 RPM Display unit: 166 / 250 RPM	●Backlight brightness adjust	Setting range: 1-5 (Darker)~5-5 (Brighter) Setting unit: adding 20 % each adjustment (5 segments)
●Digital tachometer	Display range: 0~20,000 RPM Display unit: 100 RPM	●Backlight color change	Setting range: red, orange, yellow, green, blue, light blue, purple, white
●Bar graph tachometer	Display range: 0~10,000 / 15,000 RPM Display unit: 166 / 250 RPM	●Target speed timer	Setting range: 30~195 km/h (20~120 MPH) Setting unit: 5 km/h (MPH)
○Display internal	<0.5 second	●Target distance timer	Setting range: 1/32~30/32 mile (50~1,500 M) Setting unit: 1/32 mile (50 M)
○Shift light	Setting range: 3,000~20,000 RPM Setting unit: 100 RPM	●Effective voltage	DC 12 V
○Pre-shift light	Setting range: -500~-3,000 RPM before the shift light Setting unit: -100 RPM	●Effective temperature range	-10~+60°C
○Max. RPM record (Max.)	Display range: 0~20,000 RPM	●Meter standard	JIS D 0203 S2
○The RPM input signal number setting	Setting range: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6	●Meter size	169.4 X 131.2 X 89.8 mm
○The RPM input pulse	Setting range: HI (The positive wave pulse) Lo (The negative wave pulse)	●Meter weight	Around 422 g
		●Indicator light color	High beam-blue, Turn signal-green Oil-red, Speeding-red RPM shift light yellow / red Temperature alarm-red

**NOTE** Design and specification are subject to change without notice!



### 3-3 Button function instruction

#### Press the Select button for one time

- In main screen, press the **Select button** to switch the displayed function between digital tachometer, thermometer and the voltage meter. (3-5)
- In Power test screen, press the **Select button** to choose the test you want to use. (5)
- In setting main screen, press the **Select button** to enter or exit the setting function. (4)
- In setting screen, press the **Select button** to move the setting digit. (4)
- When the meter is off, turn on the clock function. (3-4)

#### Hold pressing down the Select button for 3 seconds

- In main screen, hold pressing down the **Select button** for 3 seconds to switch the bar graphic tachometer range. (3-5)
- In power test screen, hold pressing down the **Select button** for 3 seconds to return to the main screen. (5)
- In setting screen, hold pressing down the **Select button** for 3 seconds to return to the main screen. (4)

#### Press the Adjust button for one time

- In main screen, press the **Adjust button** one time to switch the displayed function between odometer, Trip A, TripB, clock, and the Max record. (3-6)
- In power test screen, press the **Adjust button** one time to reset the record, stop the test, or back to the stand-by screen. (5)
- In the main setting screen, press the **Adjust button** to switch between the setting functions. (3-8)
- In setting screen, press the **Adjust button** to adjust the setting value. (4)
- When the meter is off, turn on the clock function. (3-4)

#### Hold pressing down the Adjust button for 3 seconds

- In main screen, hold pressing down the **Adjust button** for 3 seconds to reset the Trip A, Trip B, or the Max record. Depending on which function you are. (3-6)
- In main screen (with odometer displayed), hold pressing down the **Adjust button** for 3 seconds to adjust the bar graphic speedometer range and unit. (3-6)
- In setting screen, hold pressing down the **Adjust button** for 3 seconds to return to the main screen. (4)

#### Hold pressing the Adjust button

- In setting screen, hold pressing the **Adjust button** to increase the setting value faster. (4)

#### Press the Select & Adjust button together for one time

- Press the both **Select & Adjust buttons** together for one time to enter the power test function. (5)

#### Hold pressing the Select & Adjust button for 3 seconds

- Hold pressing the both **Select & Adjust buttons** for 3 seconds to enter the setting screen. (4)

### 3-4 Stand by function instruction

- When the meter is off, press the button once to turn on the clock function.



- The clock will display 30 seconds after wake up.



### 3-5 The Select button function in main screen

- Now you are in the digital tachometer display, and press the **Select button** once to switch the digital tachometer to thermometer.

- In the main screen, hold pressing down the **Select button** for 3 seconds to change the bar graphic tachometer range.



- In the digital thermometer screen, press the **Select button** once to switch the thermometer to voltage meter.

- In thermometer screen, hold pressing down the **Select button** for 3 seconds to switch the temperature unit between metrical and Imperial.



- In voltage meter screen, press the **Select button** once to switch the voltage meter back to the digital tachometer.



### 3-6 The Adjust button function in main screen

- In odometer screen, press the **Adjust button** one time to switch the odometer to the Trip A.

- In main screen with the odometer function, hold pressing down the **Adjust button** for 3 seconds to switch the bar graphic speedometer range and the speed unit.



- In Trip A screen, press the **Adjust button** for once to switch the Trip A to Trip B.

- In Trip A screen, hold pressing down the **Adjust button** for 3 seconds to reset the Trip A.

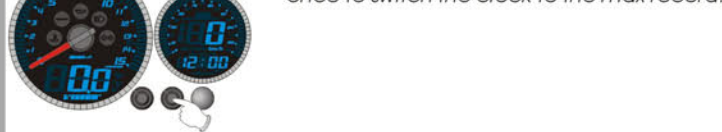


- In Trip B screen, press the **Adjust button** once to switch the Trip B to the Max record screen.

- In Trip B screen, hold pressing down the **Adjust button** for 3 seconds to reset the Trip B.



- In Clock screen, press the **Adjust button** once to switch the clock to the max record.



- In Max record screen, press the **Adjust button** once to return to the odometer.

- In Max record screen, hold pressing down the **Adjust button** for 3 seconds to reset the record.



### 3-7 Back light color change instruction

- In main screen, switch the high / low beam switch one time to change the backlight color.
- There are 8 backlight colors available for you to choose, and the colors are in order as red, orange, yellow, green, blue, light blue, purple, and then white.

**NOTE** The back light change function can only work when the engine is on.

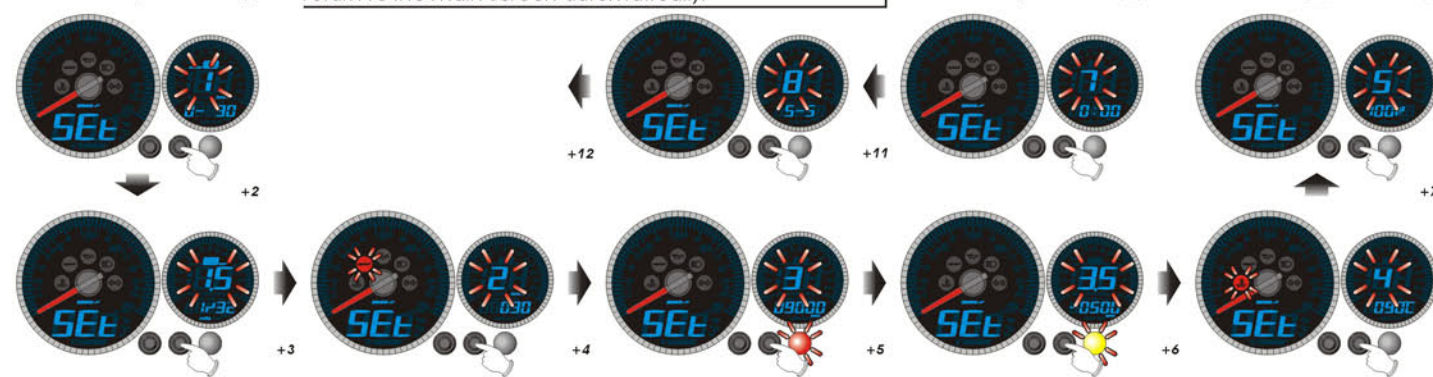
**NOTE** The method to switch the backlight color. Turn the head light switch from low beam to high beam and then wait for around 0.5~3 seconds, then switch it back to the low beam. If you switch the head light switch too fast, sometimes the backlight won't be changed.



### 3-8 Setting screen instruction

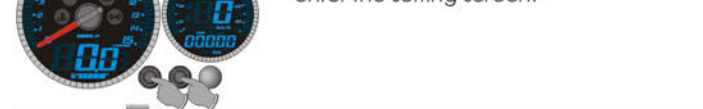
- In setting screen, press the **Adjust button** to switch to the function you want to set. The setting function is in order as target speed timer, target distance timer, the speeding warning setting, the shift light setting, the pre-shift light, the over temperature warning light, the tire circumference, the RPM input signal setting, the clock setting, the backlight brightness setting.

⚠ If you don't take any action in 30 seconds, the screen will return to the main screen automatically.



### 4 Entering setting screen

- In main screen, hold pressing down both **Select & Adjust button** for 3 seconds to enter the setting screen.



- In setting screen, press the **Adjust button** once to choose the target speed timer setting.



#### 4-1 The target speed timer setting

- Press the **Select button** to enter the target speed timer setting.
- EX. Now the target speed timer setting is 0~30 km/h.

⚠ Now the 1 on the LCD is flashing!

⚠ The speed unit in this setting will be changed together with the setting you made at 3-6.

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

- If you press the **Select button** one more time, you will back to the main setting screen.



- EX. You want to set the target speed timer at 0~110 km/h.
- Press the **Adjust button** to adjust the value.

⚠ Now the setting value is flashing!

**NOTE** Setting range: 30~195 km/h (20~120 MPH).  
Setting unit: 5 km/h (MPH).



- After the setting, press the **Select button** once to exit the function setting.
- EX. Now the target speed timer is changed from 0~30 km/h to 0~110 km/h.



- Press the **Adjust button** once to switch to the target distance timer setting screen.

⚠ Now the 1 on the LCD is flashing!



#### 4-1.5 The target distance timer setting

- Press the **Select button** to enter the target distance timer setting.
- EX. Now the target distance timer setting is 1/32 mile (50 M).

⚠ Now the LCD is changed to 1.5 and keeps flashing!

- If you press the **Select button** one more time, you will back to the main setting screen.



- EX. You want to set the target distance setting at 2/32 miles (100 meters.)
- Press the **Adjust button** to adjust the value.

⚠ Now the setting value is flashing!

**NOTE** Setting range: 1/32~30/32 mile (50~1,500 M).  
Setting unit: 1/32 mile (50 M).





●EX. After checking the reference table, we need to set the RPM input signal number as 2.

●Press the **Adjust** button to adjust the value.

▲ Now the digit under setting is flashing!

**NOTE** The RPM input signal setting value is as 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6.

The setting value	The corresponding strokes and pulses number	The corresponding RPM signal number per ignition
0.5	2C-1P	2 RPM signals per ignition.
1	4C-2P	1 RPM signal per ignition.
1.5	4C-3P	
2	2C-2P	1 RPM signal per 2 ignition.
2.5	4C-5P	
3	2C-3P	1 RPM signal per 3 ignition.
4	2C-4P	1 RPM signal per 4 ignition.
5	4C-10P	1 RPM signal per 5 ignition.
6	2C-6P	1 RPM signal per 6 ignition.

▲ **CAUTION!**  
Most of the 4-cycle bikes with one single piston are igniting every 360 degree once, so the setting should be the same as the bike with 2-cycle and one piston engine.

●Press the **Select** button once to exit the setting.

●EX. Now the RPM input signal number setting is changed from 1 to 2.

●Press the **Adjust** button once to switch to the RPM input signal pulse setting.

▲ Now the 6 on the LCD is flashing!

**4-6.5 The RPM input signal pulse setting**

●Press the **Select** button once to enter the RPM input signal pulse setting.

●EX. Now the current setting is HI.

▲ Now the 6.5 on the LCD is flashing!

●Press the **Select** button one more time to exit the setting.

●EX. We want to change the setting to Lo. (The negative signal pulse.)

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

**NOTE** We define the RPM input pulse as HI (The positive pulse) & Lo (The negative pulse.)

▲ Now the pulse setting is flashing!

**NOTE** If the RPM displayed on the meter is incorrect or with noise, please choose another setting and try it again.

●Press the **Select** button once to exit the setting.

●EX. Now the RPM input signal pulse setting is changed from HI to Lo.

●Press the **Adjust** button once to switch to the clock setting.

▲ Now the 6.5 on the LCD is flashing!

#### 4-7 The clock setting

●Press the **Select** button once to enter the clock setting.

●EX. Now the current clock setting is 0:00.

▲ Now the 7 on the LCD is flashing!

●Press the **Select** button to move the setting digit, exit, and enter the setting.

●EX. We would like to set the clock at 0:05.

●Press the **Select** button to switch to the digit you want to set.

▲ Now the hour digit of the clock setting is flashing!

**NOTE** This is a 24 H clock. The setting is in order from hour to minutes.

●Press the **Adjust** button to adjust the value.

▲ Now the minute digit of the clock setting is flashing!

●Press the **Select** button once to exit the setting.

●EX. The clock setting is changed from 0:00 to 0:05.

●Press the **Adjust** button once to switch to the backlight brightness setting.

▲ Now the 7 on the LCD is flashing!

#### 4-8 The backlight brightness setting

●Press the **Select** button once to enter the backlight brightness setting.

●EX. The current backlight brightness setting is 5-5.

▲ Now the 8 on the LCD is flashing!

●Press the **Select** button to move the setting digit, exit and enter the setting.

●EX. We would like to change the brightness to 3-5 (60 % brightness.)

●Press the **Adjust** button to adjust the value.

▲ Now the brightness setting value is flashing!

**NOTE** The setting range: 1-5 (Darkest) ~ 5-5 (Brightest), 5 different levels for choosing. Setting unit : 20 % per level. The backlight brightness will change immediately after you adjust the setting value.

●Press the **Select** button once to exit the setting.

●EX. The backlight brightness setting is changed from 5-5 to 3-5.

●Press the **Adjust** button to choose other setting.

▲ Now the 8 on the LCD is flashing!

## 5 The power test function

●In main screen, hold pressing the **Adjust & Select** button together to enter the power test function.

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

●In power test screen, press the **Select** button once to choose the target speed timer test.

**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.

●In power test screen, you could press the **Select** button to switch between the target speed test & the target distance test.

### 5-1 Target speed timer test

●Press the **Adjust** button to reset the record and enter the target speed timer test function.

●EX. The target speed timer test setting is 0~110 Km/h, and the test result is as following, time 19"20 seconds. The Max speed is 110 Km/h, and the Max RPM is 10,000 RPM.

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

●When the bike moves, the timer will start automatically.

▲ Now the 1 is flashing!

**NOTE** About the setting, please check 4-1 in the instruction for your reference.

PS. 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.

0 km/h 3 km/h Speed up 110 km/h

000000 000130 001920

▲ During the test, the 1 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, 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.

●Press the **Select** button one time to enter the target distance timer test screen.

PS. 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.

0 km/h 3 km/h Speed up Test failure

000000 000130 002920

### 5-2 Target distance timer test

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

●Press the **Adjust** button to reset the record and enter the target distance timer test function.

●EX. The target distance timer test setting is 2/32 miles (100 meters), and the test result is as following, time 10"27 seconds. The Max speed is 63 Km/h, and the Max RPM is 8,000 RPM.

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

●When the bike moves, the timer will start automatically.

▲ Now the 1 is flashing!

**NOTE** About the setting, please check 4-1.5 in the instruction for your reference.

PS. 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.

0 M 100 m

000000 000130 Speed up 001027

▲ During the test, the 1 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 check the record, you could press down the **Select** button for 3 seconds to 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.

●Press the **Select** button one time to enter the target speed timer test screen.

PS. 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.

0 M Test failure

000000 000130 Speed up 001027



●IX. After checking the reference table, we need to set the RPM input signal number as 2.

●Press the **Select** button to adjust the value.

▲Now the digit under setting is flashing!

NOTE The RPM input signal pulse value is as 0 5 1 1 5 2 5 3 4 6

Input	Output	Input	Output	Input	Output
0	0	5	5	1	1
1	1	2	2	2	2
2	2	3	3	3	3
3	3	4	4	4	4
4	4	5	5	5	5
5	5	6	6	6	6
6	6	7	7	7	7
7	7	8	8	8	8
8	8	9	9	9	9
9	9	10	10	10	10

**CAUTION!**  
After set the RPM input signal, please make sure the setting is correct. If the setting is not correct, the bike will stop at the same place as the engine.

●Press the **Select** button once to exit the setting.

▲Now the RPM input signal number setting is changed from 1 to 2.

●Press the **Adjust** button once to switch to the RPM input signal pulse setting.

▲Now the 8 on the LCD is flashing!

#### 4-6.5 The RPM input signal pulse setting

●Press the **Select** button once to enter the RPM input signal pulse setting.

▲Now the 8 on the LCD is flashing!

▲Now the 8 on the LCD is flashing!

●Press the **Select** button one more time to exit the setting.

●IX. We want to change the setting to 10. (The negative signal pulse.)

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

NOTE We define the RPM input pulse as H (The positive pulse) & L (The negative pulse).

▲Now the 8 on the LCD is flashing!

NOTE If the RPM is displayed on the meter, a incorrect or with noise, please choose another setting and try it again.

●Press the **Select** button once to exit the setting.

▲Now the RPM input signal pulse setting is changed from 8 to 10.

●Press the **Adjust** button once to switch to the clock setting.

▲Now the 8 on the LCD is flashing!

#### 4-7 The clock setting

●Press the **Select** button once to enter the clock setting.

▲Now the current clock setting is 0:00.

▲Now the 7 on the LCD is flashing!

●Press the **Select** button to move the setting digit, exit, and enter the setting.

●IX. We would like to set the clock of 0:05.

●Press the **Select** button to switch to the digit you want to set.

▲Now the hour digit of the clock setting is flashing!

NOTE This is a 24 H clock. The setting is in order from hour to minutes.

●Press the **Adjust** button to adjust the value.

▲Now the minute digit of the clock setting is flashing!

●Press the **Select** button once to exit the setting.

▲If the clock setting is changed from 0:00 to 0:05.

●Press the **Adjust** button once to switch to the backlight brightness setting.

▲Now the 7 on the LCD is flashing!

#### 4-8 the backlight brightness setting

●Press the **Select** button once to enter the backlight brightness setting.

▲The current backlight brightness setting is 5.

▲Now the 8 on the LCD is flashing!

●Press the **Select** button to move the setting digit, exit, and enter the setting.

●IX. We would like to change the brightness to 3-5 (60% brightness).

●Press the **Adjust** button to adjust the value.

▲Now the brightness setting value is flashing!

NOTE The setting range: 1-5 (Darkest) - 5 (Brightest). 3 different levels for choosing. Setting error: 20% per level.

NOTE The backlight brightness will change immediately after you adjust the setting value.

●Press the **Select** button once to exit the setting.

▲The backlight brightness setting is changed from 5-5 to 3-5.

●Press the **Adjust** button to choose other setting.

▲Now the 8 on the LCD is flashing!

## 5 The power test function

●In main screen, hold pressing the **Adjust** & **Select** button together to enter the power test function.

NOTE Please use this function at raceback to avoid traffic accidents.

●In power test screen, press the **Select** button once to choose the target speed timer test.

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.

●In power test screen, you could press the **Select** button to switch between the target speed test & the target distance test.

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

NOTE During the test, the timer will keep flashing!

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

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

NOTE When you reach the target speed you set (100 km/h), the timer will stop counting (10-20 seconds).

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

## 5-2 target distance timer test

NOTE Please use this function at raceback to avoid traffic accidents.

●In power test screen, press the **Select** button once to choose the target speed timer test.

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.

●In power test screen, you could press the **Select** button to switch between the target speed test & the target distance test.

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

NOTE During the test, the timer will keep flashing!

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

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NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

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

NOTE When you reach the target distance you set (100 m), the timer will stop counting (10-20 seconds).

NOTE If you want to test it again, press the **Adjust** button to clear the record and enter the target distance 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	Trouble	Check Item
The meter doesn't work when the power is on.	<ul style="list-style-type: none"> <li>● The power doesn't supply to the meter. → Please make sure the wiring is connected. The wiring and fuse are not broken.</li> <li>→ The battery is broken or the battery is too old to supply enough power (<b>DC 12V</b>) to make the meter work.</li> </ul>	<b>Tachometer does not appear or appear incorrectly.</b>	<ul style="list-style-type: none"> <li>● Please check the RPM sensor wiring is connected correctly.</li> </ul>
The meter shows wrong information.	<ul style="list-style-type: none"> <li>● Please check the voltage of your battery, and make sure the voltage is over <b>DC 12V</b>.</li> </ul>	Temp does not appear or appear incorrectly.	<ul style="list-style-type: none"> <li>● Please check the sensor. → Does the wiring break or falling off ?</li> </ul>
Speed does not appear or appear incorrectly.	<ul style="list-style-type: none"> <li>● Please make sure the cable is connected correctly.</li> </ul>	When switch off, the needle doesn't return to 0.	<ul style="list-style-type: none"> <li>● It is possible that the permanent power wire is not connected well. → Please check the red positive wire is connect well or not.</li> </ul>
		The odometer and trip meter is not accumulated or accumulated wrong data.	
		<b>The clock is incorrect.</b>	

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