



INSTRUCTION



Thank you for purchasing ROSO RX1N+ GP style meter. Before operating the unit, please read the instruction thoroughly and retain it for the future reference.

A. Notice

- The led 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.
- Don't break or modify the wire terminal. To avoid the short circuit, please don't pull the wire when installing.
- 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 below the mark.

A 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.



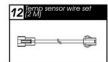
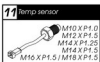
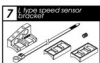
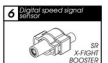
1-1 Accessory

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 PT118 water temp sensor X 2	7 Passive speed sensor X 1	8 D6 X 5L, mm magnet X 6
9 Connect terminal X 11	10 M8 / 3 type speed sensor bracket X 1	11 M10 / 3 type speed sensor bracket X 1	12 D6 X 5L, mm hexagonal bolt X 2
13 2.5 mm spanner X 1	14 3 mm spanner X 1	15 Motor bracket X 1	16 M4 screw X 3
17 M6 gasket X 3	18 M6 X 35L screw X 2	19 M8 X 30L screw X 2	20 M6 screw X 2
21 M6 screw X 2	22 M6 gasket X 2	23 M8 gasket X 2	

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

1-2 Option accessory

1 Disc magnet screw S: 16-18 X 22-16 M: X P 0.8 X 12 M: X P 1.1 X 16 M: X P 1.5 X 15 M: X P 1.5 X 18 M: X P 1.5 X 22 M: X P 1.5 X 28	2 Active speed sensor	3 Digital speed signal sensor JIS TYPE A	4 Digital speed signal sensor JIS TYPE A
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NOTE Some of the option accessories may not sell. For the details, please contact the local distributor.

2-1 Wiring installation instructions

Gray / OIL light (-)
Purple / ECHO light (-)
Green / Fuel (-)
Orange / L turn signal (+12V)
Blue / R turn signal (+12V)
White / Neutral light (-)

Yellow / High beam light (+12V)
Black / Ground wire connect to the vehicle body or the engine (It must be a good ground)
Brown / +12V connect key on DC 12V main power source

Water temperature (Digital speed signal sensor (Accessory 7))
Oil temperature (Temp sensor wire (Accessory 5))
PT118 (Accessory 6) Please install the temp sensor for the position you want to measure.
Magnet (Accessory 8)

MAIN WIRING REFERENCE

YAMAHA	Power	Key on	Brake
YZF125	Red	Black	Black
YZF150	Red	Black	Black
YZF250	Red	Black	Black
YZF300	Red	Black	Black
YZF400	Red	Black	Black
YZF450	Red	Black	Black
YZF500	Red	Black	Black
YZF600	Red	Black	Black
YZF700	Red	Black	Black
YZF800	Red	Black	Black
YZF900	Red	Black	Black
YZF1000	Red	Black	Black
YZF1100	Red	Black	Black
YZF1200	Red	Black	Black
YZF1300	Red	Black	Black
YZF1400	Red	Black	Black
YZF1500	Red	Black	Black
YZF1600	Red	Black	Black
YZF1700	Red	Black	Black
YZF1800	Red	Black	Black
YZF1900	Red	Black	Black
YZF2000	Red	Black	Black
YZF2100	Red	Black	Black
YZF2200	Red	Black	Black
YZF2300	Red	Black	Black
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YZF2800	Red	Black	Black
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YZF3300	Red	Black	Black
YZF3400	Red	Black	Black
YZF3500	Red	Black	Black
YZF3600	Red	Black	Black
YZF3700	Red	Black	Black
YZF3800	Red	Black	Black
YZF3900	Red	Black	Black
YZF4000	Red	Black	Black
YZF4100	Red	Black	Black
YZF4200	Red	Black	Black
YZF4300	Red	Black	Black
YZF4400	Red	Black	Black
YZF4500	Red	Black	Black
YZF4600	Red	Black	Black
YZF4700	Red	Black	Black
YZF4800	Red	Black	Black
YZF4900	Red	Black	Black
YZF5000	Red	Black	Black

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

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YZF1000	Red	Black	Black
YZF1100	Red	Black	Black
YZF1200	Red	Black	Black
YZF1300	Red	Black	Black
YZF1400	Red	Black	Black
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YZF1600	Red	Black	Black
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YZF4000	Red	Black	Black
YZF4100	Red	Black	Black
YZF4200	Red	Black	Black
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YZF1200	Red	Black	Black
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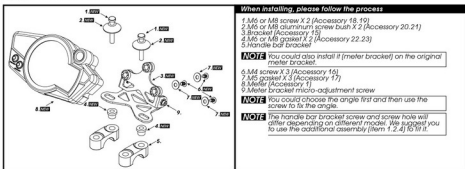
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YZF3000	Red	Black	Black
YZF3100	Red	Black	Black
YZF3200	Red	Black	Black
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MAIN WIRING REFERENCE

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YZF2500	Red	Black	Black
YZF2600	Red	Black	Black
YZF2700	Red	Black	Black
YZF2800	Red	Black	Black
YZF2900	Red	Black	Black
YZF3000	Red	Black	Black
YZF3100	Red		

2-2 Installation instructions



MOTO / SCOOTER 3 type speed sensor bracket instruction



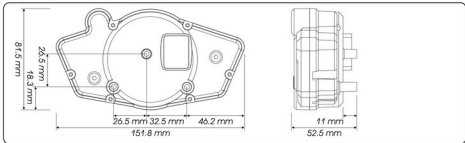
MOTO / SCOOTER 1 type speed sensor bracket instruction



ATV 3 type speed sensor bracket instruction



3-1 Basic function instruction



3-2 Basic function instruction

Tachometer

- Display range: 0-15,000 RPM
- Display unit: 100 RPM

Speeding warning light

- Setting range: 30-350 km/h (19-225 MPH)
- Setting unit: 1 km/h (MPH)

Temperature warning

- Setting range: 60-120°C (140-248°F)
- Setting unit: 1°C (1°F)

Indicators lights

- Headlight light (Green) →
- Electrical light (Green) →
- High beam light (Blue) →
- EOBd light (Amber) →
- Engine oil pressure light (Red) →

Digital thermometer (water & oil temperature)

- Display range: 0-120°C (32-248°F)
- Display unit: 0.1°C (1°F)
- Display: ————C———F

Digital Volt meter

- Display range: DC 8-DC 18 V
- Warning warning when voltage lower than 11.5 V or higher than 15.5 V

Click

- 2.4Hz

The RPM Red, Yellow shift light

- Setting range: 1,000-15,000 RPM
- Setting unit: 100 RPM
- Warning: on (F-ON), Flash (F-ON)

Fuel symbol

- Display range: 10 levels

Level thermometer (water temperature)

- Display range: 20-110°C (68-230°F), 10 levels
- Display unit: Each level represents 10°C (50°F)

Speedometer

- Display range: 0-360 km/h (0-225 MPH)
- Display unit: km/h (MPH) for alternative

MAX record

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

3-3 Function, setting instruction

● Speedometer	Display range: 0-360 km/h (0-225 MPH)	○ Over heat warning (Water & oil temperature)	Setting range: 60-120°C (140-248°F)
○ Display interval	<0.5 second	○ Trip temperature record	Setting unit: 1°C (1°F)
○ Odometer	Display range: 0-99999.9 km (mile), reset automatically after 99999.9 km (mile)	● Fuel meter	Display range: 10 levels
○ 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 unit: Each level represents 10%
○ Speeding warning light	Setting range: 30-360 km/h (19-225 MPH)	○ Clock	Setting unit: 10%
○ Top speed record	Setting unit: 1 km/h (MPH)	○ Digital Volt meter	24 H
○ The circumference	Display range: 0-350 km/h (0-225 MPH)	● Target speed timer	Display range: DC 8-18 V
● Tachometer	Setting range: 300-2,500 rpm	○ Target speed timer	Setting range: 300-350 km/h (20-220 MPH)
○ Display internal	Setting unit: 1 mm, Sensitive point: 1-20	● Target speed timer	Setting unit: 5 km/h (MPH)
○ The RPM Red, Yellow shift light	Display range: 0-15,000 RPM	● Target distance timer	Setting range: 50-1,500 M (132-3032 mile)
○ Warning	Display unit: 100 RPM	○ Target distance timer	Setting unit: 50 M (132 mile)
○ MAX RPM record	Setting range: 0-15,000 RPM	○ Top speed timer	The record including:
○ The RPM input pulse number setting	Setting range: 0.5, 1-24	1. Speed: 0-360 km/h (0-225 MPH)	2. Distance: 0-999.9 M (0-3,280 feet)
○ The RPM input pulse	Setting range: F# (The positive wave pulse) / L# (The negative wave pulse)	3. RPM: 0-15,000 RPM	4. Time: 0-99599 second.
● Thermometer	Display unit: °C & °F for alternative	● Effective voltage	DC12V
● Digital thermometer (Water & oil temperature)	Display range: 0-120°C (32-248°F)	● Effective temperature range	-10-+60°C
● Level thermometer (Water temperature)	Display range: 20-110°C (68-230°F), 10 levels	● Meter standard	JIS D 0203 32
○ Display internal	Display unit: Each level represents 10°C (50°F)	● Meter size	151.8 X 81.5 X 52.5 mm
	<0.5 second	● Meter weight	Around 212 g
		● Indicator light color	Headlight green, High beam blue, Headlight green, EOBd amber, Oil red, Speeding-red, RPM shift light (Red, Yellow)

NOTE Design and specification are subject to change without notice!

3-4 The buffon function instruction

Press the Select button

1. In main screen, press the Select button to choose the display of clock, volt, water temperature or of 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 button to choose the function you want to set.
4. When the meter is off, press the Select button to wake up the clock and the perpetual calendar.

Hold pressing the Select button for 3 seconds

1. In power test screen, hold pressing the Select button for 3 seconds to back to the main screen.
2. In setting screen, hold pressing the Select button for 3 seconds to back to the main screen.

Press the Adjust button

1. In main screen, press the Adjust button to choose the display of odometer, trip A, Trip B or the MAX record.
2. In power test screen, press the Adjust button to recall 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.
4. When the meter is off, press the Adjust button to wake up the clock and the perpetual calendar.

Hold pressing the Adjust button for 3 seconds

1. In main screen, hold pressing the Adjust button for 3 seconds to reset the trip A, Trip B, or the MAX record.

Hold pressing the Adjust button

1. In setting screen, to add the setting value fast.

Hold pressing the Select + Adjust for 3 seconds

1. In main screen, hold pressing 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.

3-5 Stand by function instruction



- When the meter is off, press **Adjust** or **Select** button to wake up the clock and the perpetual calendar.



- The clock will display 30 seconds after wake up.
- Calendar Function is set to "OFF", then only the Clock will be displayed.

turn off



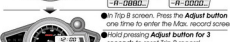
- In main screen (000) Press the **Adjust** button one time to enter the Trip A screen.



- In Trip A screen. Press the **Adjust** button one time to enter the Trip B screen.



- Hold pressing **Adjust** button for 3 seconds to reset Trip A record.



- In Trip B screen. Press the **Adjust** button one time to enter the Max. record screen.



- Hold pressing **Adjust** button for 3 seconds to reset Trip B record.



- In Max. record screen. Press the **Adjust** button one time to go back to the main screen (000).



- Hold pressing **Adjust** button for 3 seconds to reset Max. record.



- Press the **Select** button one time, to switch between the water temperature and oil temperature screen test.

3-6 Main function switch instruction (Select button)



- In the clock + fuel screen, press the **Select** button one time to enter the volt + fuel screen.



- In the volt + fuel screen, press the **Select** button one time to enter the A (water temperature) + fuel screen.



- In the A (water temperature) + fuel screen, press the **Select** button one time to enter the A (water temperature) + oil temperature level screen.



- In the A (water temperature) + oil temperature level screen, press the **Select** button one time to enter the B (oil temperature) + water temperature level screen.



- In the B (oil temperature) + water temperature level screen, press the **Select** button one time to go back to the clock + fuel screen.



- In main screen, press the **Select** + **Adjust** button one time to enter the power test screen.



Power test Target speed timer test

WARNING! Please use the function of raceback 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.



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. If displays the target speed timer setting as 0 = 110 km/h, the test result: 119.0 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.



When the bike moves, the timer will start automatically.

▲ Now the bike is flashing!

NOTE! About the power test setting, please check 4-7.



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.

▲ During the test, the **LED** will keep flashing!



When you reach the target speed you set (0 = 110 km/h), the timer will start counting (192.0 seconds).

▲ If you just want to use the function one time, you could press the **Select** button for 3 seconds to clear the record 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.



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.



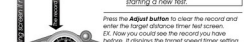
Power test Target distance timer test

WARNING! Please use the function of raceback 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.



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. If displays the target speed timer setting as 232.2 mile (100 M), the test result: 107.2 seconds. The top speed is 63 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.



When the bike moves, the timer will start automatically.

▲ Now the bike is flashing!

NOTE! About the power test setting, please check 4-7.



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.



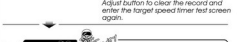
▲ During the test, the **LED** will keep flashing!



When you reach the target distance you set (100 M / 232 mile), the timer will stop counting (107.2 seconds).

▲ If you just want to use the function one time, you could press 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.



Power test The top speed test

WARNING! Please use the function of raceback 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.



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. If displays the top speed is 180 km/h, the distance to reach the top speed is 910 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.



When the bike moves, the timer will start automatically.
 ▲ Now the **a2** is flashing!

NOTE The top speed test range:
 Speed: 0-300 km/h, distance: 0-999 M (3280 feet) RPM: 0-15,000 RPM, timer: 0-99'99 seconds.

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

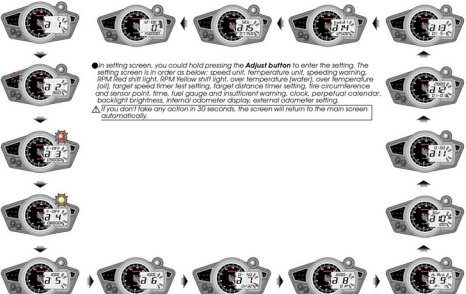
▲ During the test, the **a2** will keep flashing!

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 record 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.

3-9 Setting screen instruction



● In setting screen, you could hold pressing the **Adjust** button to enter the setting. The setting screen is in order as below: speed unit, temperature unit, speeding warning, RPM red shift light, RPM yellow shift light, over temperature (water), over temperature (oil), target speed timer test setting, target distance timer setting, tire circumference and sensor point, time, fuel gauge and insufficient warning, clock, perpendicular colorator, backlight brightness, internal odometer display, external odometer setting.

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

4 Entering setting screen

● Main screen, hold pressing the **Select** button for 3 seconds to enter the setting screen.

4-1 Oil setting (Speed, Temperature)
 ● Press the **Select** button one time to enter the speed unit setting screen.
 ▲ Now the **a1** is flashing!

● EX: We want to change the setting to km/h.
 ● Press the **Adjust** button to change the setting.
NOTE You could choose km/h or MPH in the speed unit setting screen.
 ▲ Now the speed unit is flashing!
 ▲ The odometer & trip meter will change together with the speed unit!

● Press the **Select** button one time to enter the temperature unit setting screen.
 ● EX: Now the Speed unit setting is changed from MPH to km/h.

● EX: We want to change the setting to °F.
 ● Press the **Adjust** button to change the setting.
NOTE You could choose °C or °F in the temperature unit setting screen.
 ▲ Now the temperature unit is flashing!
 ▲ The water temperature & oil temperature unit will change together with the temperature unit.

● Press the **Select** button one time to go back to the **a1** screen.
 ● EX: Now the temperature unit setting is changed from °C to °F.

● Press the **Adjust** button one time to enter the Speeding warning setting screen.
 ▲ Now the **a1** is flashing!

4-2 Speeding warning setting
 ● Hold pressing the **Select** button and release it until it move to the setting digital you want.
 ▲ Now the **a2** & Speeding warning light is flashing!

● EX: We want to change the setting to 80 km/h.
 ● Press the **Adjust** button to change the setting.
NOTE Setting range: 30-300 km/h (19-225 MPH)
 Setting unit: 1 km/h (0.62mi/h)
 ▲ Now the setting and the speed warning light is flashing!
 ▲ The setting unit will change together with the speed unit setting (4-1).

● Press the **Adjust** button one time to go back to the **a2** screen.
 ● EX: Now the speed warning setting is changed from 60 km/h to 80 km/h.

● Press the **Adjust** button one time to enter the red shift light setting screen.
 ▲ Now the **a3** is flashing!

4-3 Red shift light setting
 ● EX: The red shift light set on 9,500 RPM.
 ● Press the **Select** button to move to the digit you want to set.
 ● Press the **Adjust** button to change the setting.
NOTE Setting range: 100-15,000 RPM
 Setting unit: 100 RPM

● Press the **Select** button one time to enter the red shift light warning method setting screen.
 ● EX: Now the red shift light is setting from 9,000 RPM to 9,500 RPM.

● EX: To set F-ON (Flashing ON) for red shift light warning method.
 ● Press the **Adjust** button to change the setting value.
 ● Light on ● Flash

● Press the **Select** button one time to go back to the **a3** screen.
 ● EX: Now the red shift light warning method is setting from F-OFF to F-ON.

● Press the **Adjust** button one time to enter the yellow shift light setting screen.
 ▲ Now the **a3** is flashing!

4-4 Yellow shift light setting
 ● EX: The yellow shift light set on 8,500 RPM.
 ● Press the **Select** button to move to the digit you want to set.
 ● Press the **Adjust** button to change the setting.
NOTE Setting range: 100-15,000 RPM
 Setting unit: 100 RPM

● Press the **Select** button one time to enter the yellow shift light warning method setting screen.
 ● EX: Now the yellow shift light is setting from 8,000 RPM to 8,500 RPM.



- **EX. To set F-on (Flashing ON)** for yellow shift light warning method.
- Press the **Adjust** button to change the setting value.



Light on Flash



- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the yellow shift light warning method is setting form F-OFF to F-ON.



- Press the **Adjust** button one time to enter the over heat warning (water temperature) setting screen.
- ▲ Now the oil is flashing!



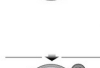
If you set the RPM yellow shift light of 5,500 RPM, the red shift light will light on at 6,000 RPM light up sequence as below.



- **EX. The over heat warning set on 105°C.**
- Press the **Select** button to move to the digit you want to set.
- Press the **Adjust** button to change the setting.



Note Setting range: 60–120°C (140–248°F)
Setting unit: 1°C (1°F)



- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the over heat warning (water temperature) is setting form 100°C to 105°C.



- Press the **Adjust** button one time to enter the over heat warning (oil temperature) setting screen.
- ▲ Now the oil is flashing!



The temperature light will light on when the temperature reached your setting.



- **EX. The over heat warning set on 105°C.**
 - Press the **Select** button to move to the digit you want to set.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 60–120°C (140–248°F)
Setting unit: 1°C (1°F)



- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the over heat warning (oil temperature) is setting form 100°C to 105°C.



- Press the **Adjust** button one time to enter the target speed timer setting screen.
- ▲ Now the oil is flashing!



- **EX. If the target speed timer is setting 0–110 km/h.**
 - Press the **Select** button to move to the digit you want to set.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 30–350 km/h (20–220 MPH)
Setting unit: 5 km/h (MPH)



- **EX. If the target distance timer is setting 50 M (10.32 mile).**
 - Press the **Select** button to move to the digit you want to set.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 50–1,500 M (50–1,500 M)
Setting unit: 50 M (50 M)



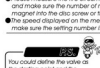
- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the target speed timer is setting form 0–50 km/h to 0–110 km/h. The target distance timer is setting form 232 mile to 1032 mile.



- Press the **Adjust** button one time to enter the circumference and sensor point setting screen.
- ▲ Now the oil is flashing!



- **EX. If the circumference is setting 1,300 mm.**
 - Press the **Select** button one time to enter the circumference setting screen.
 - Press the **Select** button to move to the digit you want to set.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 300–2500
Setting unit: per 1%



- **EX. If the sensor point is setting 05P.**
 - Press the **Select** button one time to enter the sensor point setting screen.
 - Press the **Select** button to move to the digit you want to set.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 01P–20P
Setting unit: 01P



- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the circumference is setting form 1,000 to 1,300 mm.



- Press the **Adjust** button one time to enter the input pulse setting screen.
- ▲ Now the oil is flashing!



- **EX. You want to connect the RPM signal wire to the pick up signal and there are 13 flywheel signal per turn.**
 - Press the **Select** button one time to enter the RPM input signal setting screen.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 0.5, 1–24



- **EX. We want to change the setting to Lo.**
 - Press the **Select** button one time to enter the waveform setting screen.
 - Press the **Select** button to change the setting.
- Note We obtain the RPM input pulse as H (The positive pulse) & Lo (The negative pulse).
- Note If the RPM displayed on the meter is incorrect or with noise, please choose another setting and try it again.



- **EX.** Now the RPM input signal number setting is changed from 1 to 13.



- Press the **Select** button one time to go back to the oil screen.
- **EX.** Now the input pulse setting is changed from 1 H to Lo.



- Press the **Adjust** button one time to enter the fuel resistance setting screen.
- ▲ Now the oil is flashing!



- **EX. The fuel gauge need to be set to 510Ω.**
 - Press the **Select** button one time to enter the fuel resistance setting screen.
 - Press the **Adjust** button to change the setting.
- Note The fuel gauge resistance setting range: 100Ω, 250Ω, 510Ω, 1200Ω, SW (turn off).
If Fuel Setting is set to 'SW', then the value setting for this function will be skipped.



- **EX.** When Fuel Setting is set to 'SW', the fuel level symbol will light up when fuel level signal wire connected to the []



- **EX. The insufficient fuel warning need to be set to 50%.**
 - Press the **Select** button one time to enter the insufficient fuel warning setting screen.
 - Press the **Adjust** button to change the setting.
- Note Setting range: 10%–50%
● **EX.** The setting is changed from 100Ω to 510Ω.



- Press the **Select** button one time to go back to the oil screen.
- **EX.** The setting is changed from 30% to 50%.




- Press the **Adjust** button one time to enter the clock setting screen.
- ▲ Now the oil is flashing!

4-11 The clock setting



- **EX. We would like to set the clock of 0:05.**
- Press the **Select** button one time to enter the clock setting screen.
- Press the **Select** button to move to the digit you want to set.
- Press the **Adjust** button to change the setting.

▶ **Note** This is a 24 H clock.



- Press the **Select** button one time to go back to the a11 screen.
- **EX.** Now the clock is setting from 0:00 to 0:05.



- Press the **Adjust** button one time to enter the perpetual calendar setting screen.
- ▶ **Now the a11 is flashing!**

4-12 Perpetual calendar setting



- Press the **Select** button one time to enter the perpetual calendar setting screen.
- Press the **Adjust** button to change the setting.

▶ **EX. You want to set the perpetual calendar of 2013.**



- Press the **Select** button one time to enter the perpetual calendar (CE) setting screen.
- Press the **Adjust** button to change the setting.

▶ **Note** Setting range: 2000 - 2099.

▶ **EX. You want to set the perpetual calendar of 05-06-1.**



- Press the **Select** button one time to enter the perpetual calendar (month) setting screen.
- Press the **Adjust** button to change the setting.



- Press the **Select** button one time to enter the perpetual calendar (day) setting screen.
- Press the **Adjust** button to change the setting.



- Press the **Select** button one time to go back to the a12 screen.
- **EX.** The setting is changed from 01-01-2 to 05-06-1.




- Press the **Adjust** button one time to enter the backlight brightness setting screen.
- ▶ **Now the a12 is flashing!**

4-13 The backlight brightness



- **EX. We would like to change the brightness to 3-5 (60% brightness.)**
- Press the **Select** button one time to enter the backlight brightness setting screen.
- Press the **Adjust** button to change the setting.

▶ **Note** 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 one time to go back to the a13 screen.
- **EX.** The backlight brightness is setting from 5-5 to 3-5.



- Press the **Adjust** button one time to enter the internal odometer display screen.
- ▶ **Now the a13 is flashing!**

4-14 Internal odometer display



- Press the **Adjust** button one time to enter the internal odometer display screen.
- ▶ **Now the a13 is flashing!**



- Press the **Adjust** button one time to enter the external odometer display setting screen.
- **EX.** The internal odometer display is 12500 km.

4-15 External odometer setting



- **EX. We would like to set the external odometer to 15000.0 km.**
- Press the **Select** button one time to enter the external odometer setting screen.
- Press the **Select** button to move to the digit you want to set.
- Press the **Adjust** button to change the setting.



- Press the **Select** button one time to go back to the a15 screen.
- **EX.** The external odometer setting is changed from 7750.0 to 15000.0 km.



- Press the **Adjust** button one time to go back to the main screen.
- ▶ **Now the a15 is flashing!**



Main screen.

5 Trouble shooting

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

Problem	Check item
The meter doesn't work when the power is on.	<ul style="list-style-type: none"> ● The power doesn't supply to the meter. <ul style="list-style-type: none"> —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. ● Please check the voltage of your battery, and make sure the voltage is over DC12V. ● Please make sure the speed sensor is connected correctly. ● Please check the tire-size setting. —Please refer to the manual 4-8. ● 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 4-9. ● Please check your fuel tank. <ul style="list-style-type: none"> —Is there any fuel inside? ● Please check the wiring. <ul style="list-style-type: none"> —Do you connect the wiring correctly? —Please check the wiring correctly. —Please check the setting. —Please refer to the manual 4-10. ● Please check the sensor. <ul style="list-style-type: none"> —Does the wiring break or falling off? —Do you connect the wiring correctly. —Please check the positive wire (Red) connects to the battery, and main section positive wiring (Brown) connects to the main switch.
The meter shows wrong information.	<ul style="list-style-type: none"> ● Please check your setting.
Speed does not appear or appear incorrectly.	<ul style="list-style-type: none"> ● Please check the tire-size setting. ● Please check the RPM sensor wiring is connected correctly.
Tachometer does not appear or appear incorrectly.	<ul style="list-style-type: none"> ● Please check the wiring. ● Please check the setting. ● Please check the sensor. —Does the wiring break or falling off? —Do you connect the wiring correctly. —Please check the positive wire (Red) connects to the battery, and main section positive wiring (Brown) connects to the main switch.
Fuel gauge does not appear or appear incorrectly.	<ul style="list-style-type: none"> ● Please check your fuel tank. <ul style="list-style-type: none"> —Is there any fuel inside? ● Please check the wiring. ● Please check the setting. —Please refer to the manual 4-10.
Temp does not appear or appear incorrectly.	<ul style="list-style-type: none"> ● Please check the sensor. —Does the wiring break or falling off? —Do you connect the wiring correctly. —Please check the positive wire (Red) connects to the battery, and main section positive wiring (Brown) connects to the main switch.

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