



● Thank you for purchasing our product. This product is a multifunction meter and is easy to install. Before using, please read the instructions carefully and retain them for future reference.

⚠ Attention!

- For installation, please follow the steps described. Any damage caused by wrong installation shall be imputed to the users.
- To avoid a short circuit from occurring do not pull or modify the wires during installation.
- Do not disassemble or change any parts. Opening and disassembling this unit will void any warranty.
- Maintenance and repairs should be executed by our professionals only.

© Symbol description:

NOTE

⚠ Some procedures must be followed to avoid damages to the instrument.

⚠ **WARNING!** Certain procedures must be followed to avoid damages to yourself, to the vehicle or others.



FLASH



LIGHT ON

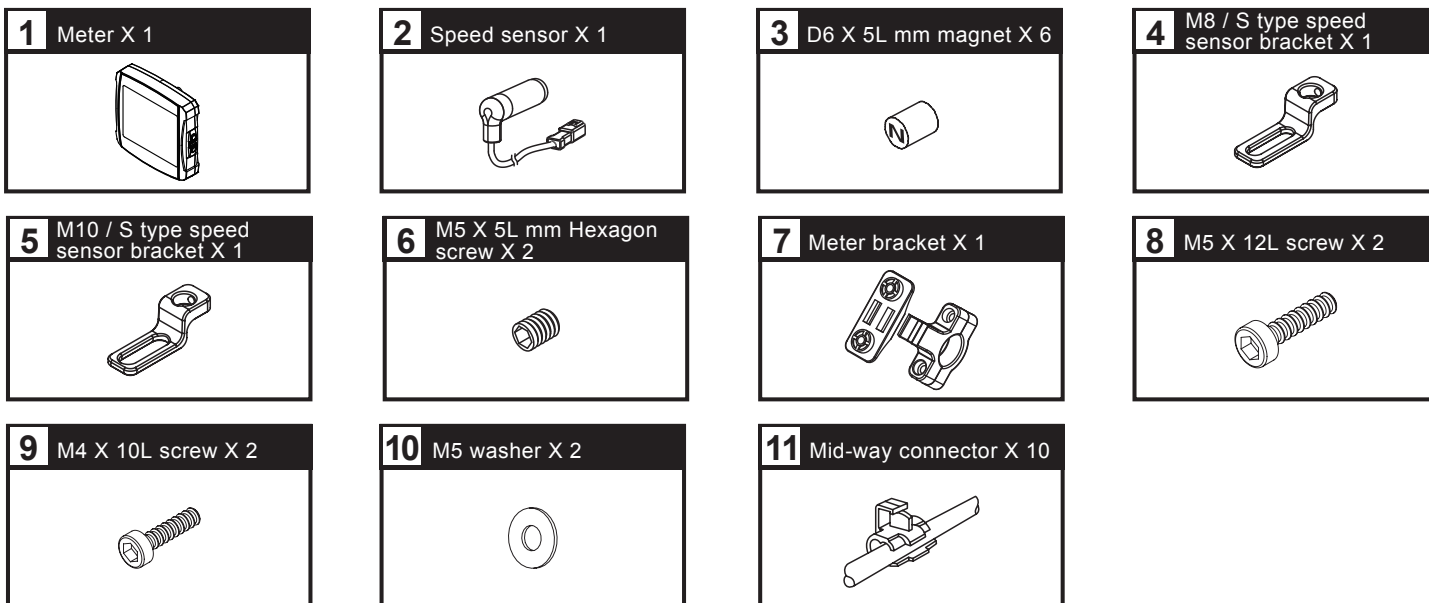


HOLD THE
BUTTON ONE
SECOND

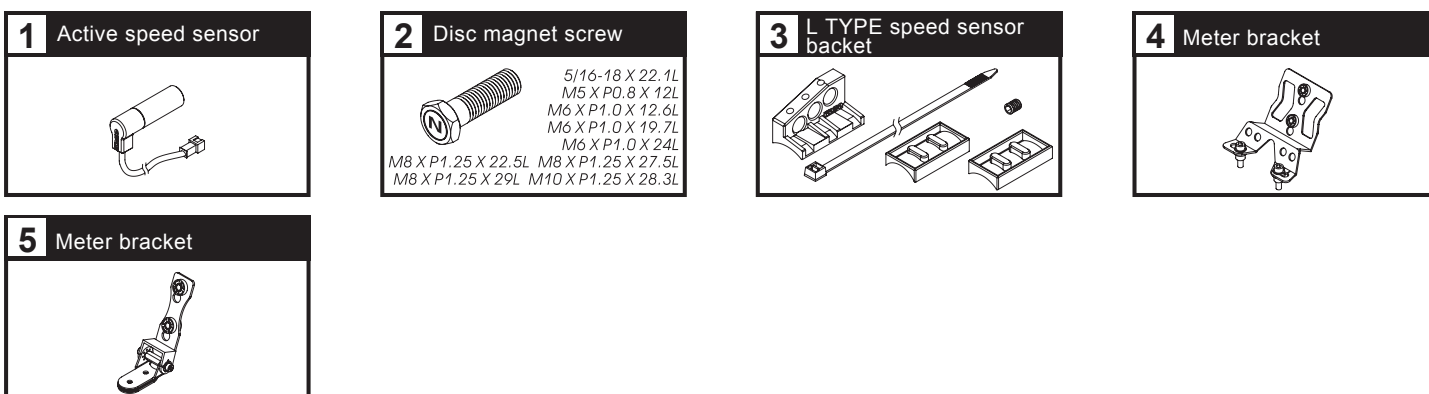


HOLD THE
BUTTON 3
SECONDS

1-1 Accessories



1-2 Optional accessories



2-1 Wiring installation instructions

Gray - Warning Light (+12 V / -)

White - Neutral (-)

Orange - L turn signal (+)

Purple - Engine (-)

Yellow - High beam light (+)

Blue - R turn signal (+)

Green - Fuel

Mid-way connector (Accessories 11)

Red / Positive pole (Connect to the battery DC 12 V)

Brown / "+" Wire connect to the DC 12 V ignition switch

Black / Ground wire connect to the negative pole of the battery (must be a good ground)

Meter (Accessories 1)

Speed sensor (Accessories 2)

Magnet (Accessories 3)

Main power switch wire reference:

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

RPM wire reference:

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

Fuel indicator wire reference:

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

NOTE The colors listed above may differ depending on the model and year of the vehicle.

NOTE The fuel sensor is electronic type, do not connect in parallel with the original wire - otherwise the fuel gauge won't display.
The wrong installation of the fuel wire might damage the instrument

NOTE N pole of the Magnet needs to be facing outward (facing the sensor) and must be installed on the brake disk or chain gear fixing bolt.

NOTE When connecting the power wire, follow the instructions carefully. If the red & brown wires are connected in parallel, the meter will not work properly.

2-2 Installation instructions

Follow the steps below during installation.

- 1.M5 X 12L screw X2 (Accessories 8) **2.9 Nm (29 kgf.cm)**
- 2.Meter bracket (Accessories 7)
- 3.Fix the bracket on handle bar (7/8")
- 4.M4 X 10L screw X2 (Accessories 9) **1.12 Nm (11.2 kgf.cm)**
- 5.M5 washer X2 (Accessories 10)
- 6.Meter bracket (Accessories 7)
- 7.Meter X1 (Accessories 1)

NOTE Adjust the meter to the proper angle before tightening the handle bar bracket screws.

Motorcycle Magnet installation instructions

Put the magnet into the brake disc screw hole.

Install the S type sensor bracket.

Adjust the sensor bracket position to make sure the sensor is facing the magnet to receive good speed signal.

Install the speed sensor on the bracket.

In order to get a good speed signal, the distance between the speed sensor and magnet should be under 8 mm.

P.S.

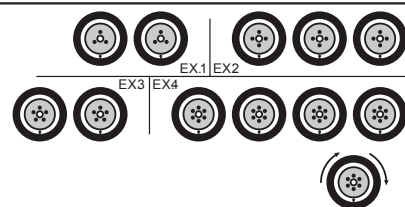
Higher number of magnets installed on the disk brake will result in a faster speed display on the gauge. The letter "N" on the magnets must face the speed sensor in order to pick up the speed correctly.

EX 1: If the disk brake has 3 screws, you can install 1 or 3 magnets.

EX 2: If the disk brake has 4 screws, you can install 1,2 or 3 magnets.

EX 3: If the disk brake has 5 screws, you can install 1 or 5 magnets.

EX 4: If the disk brake has 6 screws, you can install 1,2,3 or 6 magnets.



3-1 Basic function instructions

Indicator lights ● Turn Signal (Green) ◦ ◀▶ ● Neutral (Green) ◦ N ● Warning Light (Red) ◦ ▲
● Engine Light (Yellow) ◦ ● High beam light (Blue) ◦

Odometer

● Display range: 0 ~ 99,999 km (mile), automatic reset after 99,999 km (mile)

● Setting unit: 1 km (mile)

Trip meter A、B

● Display range: 0 ~ 9,999.9 km (mile), automatic reset after 9,999.9 km (mile)

● Setting unit: 0.1 km (mile)

Hour meter

● Display range: 99,999 hour, automatic reset after 99,999 hour

● Display unit: 1 hour

Hour meter A、B

● Display range: 9,999.9 hour, automatic reset after 9,999.9 hour

● Display unit: 0.1 hour

Fuel meter

● Display range: 6 levels

● Display unit: Each level represents 16.6 %

Clock

● 24 H

Volt meter

● Display range: DC 8.0 ~ 18.0 V

Volt meter warning

● Display range: Flashing warning when voltage lower than 11.5 V or higher than 15.5 V

Select

Adjust

Speed record

● MAX speed record:

Display range : 0 ~ 360 km/h (0 ~ 225 MPH)

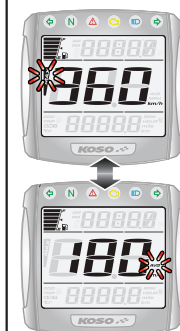
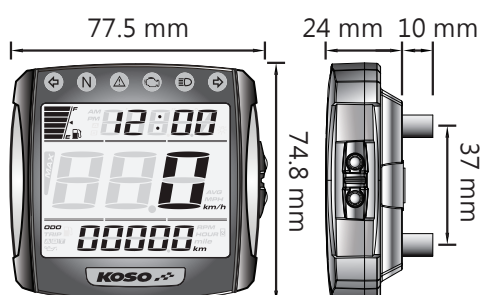
● Average speed record:

Display range : 0 ~ 360 km/h (0 ~ 225 MPH)

Speedometer

● Display range: 0 ~ 360 km/h (0 ~ 225 MPH)

● Display unit: km/h or MPH alternative



3-2 Function setting instructions

› Speedometer Display range: 0 ~ 360 km/h (0 ~ 225 MPH)
Display unit: km/h or MPH for alternative

› Display internal <0.5 second

› Odometer Display range: 0 ~ 99,999 km (mile),
automatic reset after 99,999 km (mile)
Setting unit: 1 km (mile)

› Trip meter A、B Display range: 0 ~ 9,999.9 km (mile),
automatic reset after 9,999.9 km (mile)
Display unit: 0.1 km (mile)

› Oil maintenance mileage Setting range: 300 ~ 5,000 km (mile)
Setting unit: per 100 km (mile)

› Hour meter Display range: 99,999 hour, automatic reset
after 99,999 hour
Display unit: 1 hour

› Hour meter A、B Display range: 9,999.9 hour, automatic reset
after 9,999.9 hour
Display unit: 0.1 hour

› MAX speed record Display range: 0 ~ 360 km/h (0 ~ 225 MPH)

› Average speed record Display range: 0 ~ 360 km/h (0 ~ 225 MPH)

› Tire circumference Setting range: 300 ~ 2,500 mm
Setting unit: 1 mm; Sensitive point: 1 ~ 6

› Fuel meter Display range: 6 segments

› Insufficient fuel warning Setting unit: 100 Ω、250 Ω、510 Ω、USER

› Clock 24 H

› Volt meter Display range: DC 8.0 ~ 18.0 V

› Volt meter warning Display range: Flashing warning when
voltage < 11.5 V or > 15.5 V

› Effective voltage DC 12 V

› Effective temperature range -10 ~ +60 °C

› Meter standard JIS D 0203 S2

› Meter size 77.5 X 74.8 X 34 mm

› Meter weight Around 87 g

› Indicator light color Turn signal(Green) · Neutral (Green) ·
Warning Light (Red) · Engine Light (Yellow)
High beam light (Blue)

NOTE Design and specifications are subject to change without notice!

3-3 The main screens function switch instructions

● Select button function instructions



● In the clock screen, Press the **Select** button once to enter the volt screen.



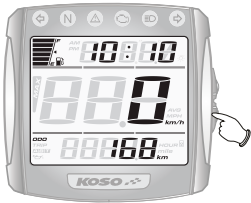
● In the volt screen, Press the **Select** button once to enter the clock screen.

NOTE If Clock function set as OFF, then the meter will only display the voltage in that screen position.

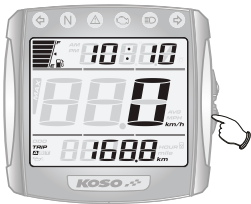


- In the clock screen.

● Adjust button function instruction

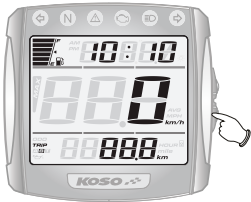


- In the ODO screen, Press the **Adjust button** once to enter the Trip A screen.



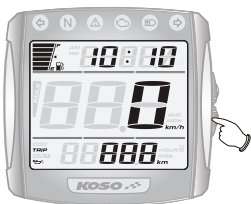
- In the Trip A screen, Press the **Adjust button once** to enter the Trip B screen.
- Press and hold the **Adjust button for 3 seconds** to reset Trip A record.

88168 km → 00000 km



- In the Trip B screen, Press the **Adjust button once** to enter the oil maintenance mileage screen.
- Press and hold the **Adjust button for 3 seconds** to reset Trip B record.

888 km → 00000 km



- In the oil maintenance mileage screen, Press the **Adjust button once** to enter the hour meter screen.



- In the hour meter screen, Press the **Adjust button once** to enter the hour meter A screen.



- In the hour meter A screen, Press the **Adjust button once** to enter the hour meter B screen.

- Press and hold the **Adjust button for 3 seconds** to reset the hour meter A records

88168 km → 00000 km



- In the hour meter B screen, Press the **Adjust button once** to enter the Speed record (MAX \ AVG) screen.

- Press and hold the **Adjust button for 3 seconds** to reset hour meter B records.

888 km → 00000 km



- In the Speed record (MAX \ AVG) screen, Press the **Adjust button once** to enter the ODO screen.

NOTE MAX Speed Record (MAX) and Average Speed Record (AVG) will switch between each other every 3 seconds.

888 km → 888 km

- Press and hold the **Adjust button for 3 seconds** to reset MAX speed record.

360 km → 888 km

- Press and hold the **Adjust button for 3 seconds** to reset Average speed record.

180 km → 888 km



- In the ODO screen.

3-4 Oil maintenance mileage setting instructions

P.S.



- When the running distance reaches the maintenance distance setting. The oil indicator light will light up. The indicator light can be turned off after resetting the records.
- The oil mileage is decreasing from the set value.



- **Ex:** When you do the maintenance work after the oil light is turned on.

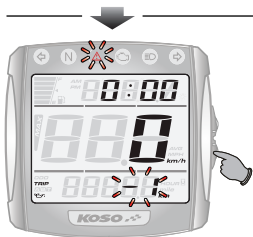
- In the main screen, press **Adjust button** to enter Oil maintenance mileage screen.

⚠ The oil warning light is lit up now.

NOTE If you maintain your ride before the oil light lit up, you can reset the oil maintenance distance to remind yourself for the next maintenance.



- In the oil maintenance mileage screen, Press and hold the **Adjust** button for **3 seconds** to enter the Maintenance Mileage "Reset" screen.



- Press and hold the **Adjust** button for **3 seconds** to confirm the Maintenance Mileage to be reset.

⚠ In Maintenance Mileage Reset screen, press the **Adjust** button to give up the reset and then warning light will back to light on steady from flashing.

NOTE In Maintenance Mileage Reset screen, press the **Adjust** button to give up the reset and then warning light will back to light on steady from flashing.



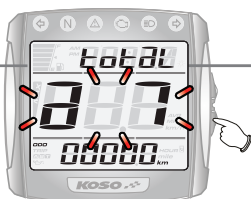
- Maintenance Mileage "Reset" screen.
- **Ex: Reset the Maintenance Mileage from -1 to setting value.**

⚠ The reset value will depend on the setting value according to 4-5 Maintenance Mileage Setting.

3-5 Setting screen instruction



- In main screen



- Internal ODO display



- Odometer



- Oil maintenance mileage

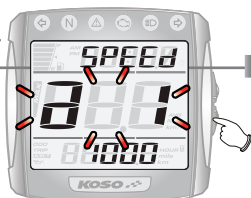
- In main screen, press down the **Select & Adjust** buttons at the same time for **3 seconds** to enter the setting screen.
- Press the **Adjust** button to select in following order start from Circumference and sensing point 、 Fuel gauge resistance (Ω) 、 Clock setting 、 Backlight brightness setting 、 Oil maintenance mileage 、 Odometer 、 Internal ODO display .

NOTE The screen will return to the main screen after 30 seconds if no button is pressed.

Ⓜ In any screen, you can press and hold down the **Select** button for **3 seconds** to go back to the main screen.



- Setting screen



- Circumference and sensing point



- Fuel gauge resistance



- Clock setting



- Backlight brightness setting

4 Entering setting screen



- In the main screen, Press and hold the **Select and Adjust** button for **3 seconds** to enter the setting screen.

4-1 Circumference and sensing point setting



- Press the **Select** button once, to enter to enter the circumference and sensing point setting screen.

⚠ **CAUTION!**

- Measure the tire circumference (The tire you will install the sensor on) and make sure the number of magnet sensor point (You can install the magnet into the disc screw or the sprocket screw.)
- The speed displayed on the meter will be affected by the setting, make sure the setting number is correct before you make the setting.

⚠ **Reset this setting value when you change to a different size tire.**



- **Ex: If the tire circumference is 1,300 mm.**

- Press the **Select** button to the digit you want to set.

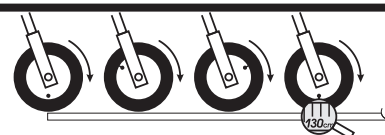
- **Ex: Now the tire circumference is setting from 1,000 mm.**

⚠ The digit in thousands setting number will flash

NOTE Setting range: 300 ~ 2,500 mm
Setting unit: 1 mm

P.S.

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





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



- Press the **Select** button to enter the sensor point setting.
- Ex: The circumference setting is changed from 1,000 mm to 1,300 mm.



- Ex: If the sensor point setting is 6P.
- Press the **Adjust** button to choose the setting number.
- Ex: The sensor point is set to 1P

⚠ The setting value will flash!

NOTE Sensitive point: 1 ~ 6



- Press the **Select** button to go back to the circumference and sensing point setting screen.
- Ex: To change the sensor point from 1P to 6P

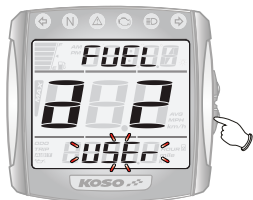


- Press the **Adjust** button to select the fuel gauge resistance setting screen.

4-2 Fuel gauge resistance settings



- Press the **Select** button to enter the fuel gauge resistance setting screen.



- Ex: For a YAMAHA T-MAX 530, according to the service manual, it's resistance is 100 Ω .
- Press the **Adjust** button to choose the setting number.

⚠ The setting value will flash!

NOTE The fuel gauge resistance setting range : USER 、 100 Ω 、 250 Ω 、 270 Ω 、 510 Ω 、 1200 Ω 、 SW (turn off)

NOTE Custome fuel level resistance:
1) Manual - Please check 4-2-1 Fuel Level Resistance Manual Setting Instructions.
2) Auto - Please check 4-2-2 Fuel Level Resistance Auto Setting Instructions.



- Press the **Select** button to go back to the circumference and sensing point setting screen.
- Ex: To change the circumference and sensing point setting from USER to 100 Ω .

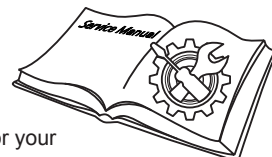
4-2-1 Fuel Level Manual Setting



- Press the **Select** button to enter the lowest fuel level's resistance setting screen.

P.S.

- You will find your fuel level sensor resistance range in the electronic components section in the service manual of your bike.
- Select the correct resistance value for your fuel float sensor.



- Ex: If the lowest fuel level is 90 Ω .
- Press the **Select** button to the digit you want to set.

⚠ The setting value will flash!



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



- Press the **Select** button twice to enter in the highest fuel level's resistance setting screen.
- Ex: To change the lowest fuel level setting from 0 to 90 Ω .



- Ex: If the highest fuel level is 10 Ω .
- Press the **Select** button to the digit you want to set.

⚠ The setting value will flash!



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



- Press the **Select** button twice to go back to the highest fuel level's resistance setting screen.
- Ex: To change the highest fuel level setting from 0 to 10 Ω.

4-2-2 Fuel Level Resistance Auto Detection Settings



- Press the **Select** button to enter the lowest fuel level's resistance auto detection screen.

⚠ CAUTION!

- Before detection, ensure that your current fuel level is in the lowest position that you would like to have.
- Stop the vehicle for a few seconds to allow the fuel surface to become steady, then start the detection of the resistance.

P.S.

- If the fuel surface sensor float in the lowest position then it will detect the resistance around 90 - 100 Ω.

The lowest position



- Press the **Adjust** button to detect the lowest fuel level's resistance.



- Press the **Select** button 5 times to enter the lowest fuel level resistance auto detection screen.
- Ex. Automatically detected the lowest fuel level resistance value as 90 Ω.

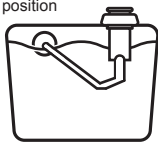
⚠ CAUTION!

- Before detection, ensure that your current fuel level is in the highest position that you would like to have.
- Stop the vehicle for a few seconds to allow the fuel surface to become steady, then start the detection of the resistance.

P.S.

- If the fuel surface sensor float is in the highest position then it will detect the resistance is around 4 - 10 Ω.

The highest position



- Press the **Adjust** button to detect the highest fuel level resistance.



- Press the **Select** button 5 times to go back to the fuel gauge resistance.
- Ex. Automatically detected the highest fuel level resistance value as 10 Ω.



- Press the **Adjust** button to enter the Clock (Hr / Min) setting screen.

4-3 Clock setting



- Press the **Select** button to enter the Clock (Hr / Min) setting screen.



- Ex: Changing the hour to 10.
- Press the **Adjust** button to choose the setting number.

⚠ The setting value will flash!

NOTE Cursor moving order is: Hour > ten minutes > minutes

NOTE Setting Range:
ON (Clock function enable)
OFF (Clock function disable)

NOTE Setting range: 0 ~ 23 H.



- Press the **Select** button to enter the clock minutes setting screen.
- Ex: To Change the setting from 0:00 to 10:00.



- Ex: To change the minutes to 10.

- Press the **Select** button to the digit you want to set.

⚠ The setting value will flash!

NOTE Setting range: 00 ~ 59 minutes.



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



- Press the **Select** button to go back to the clock (Hr / Min) setting screen.
- Ex: To change the setting from 10:00 to 10:10.



- Press the **Adjust** button to select the Backlight brightness setting.

4-4 Backlight brightness settings

- Press the **Select** button to enter the backlight brightness setting screen.



- **Ex: To set the brightness at 60% (3).**

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

⚠ The setting value will flash!

NOTE Setting range:
1 (Darkest) ~ 5 (Brightest),
5 different levels.

Setting unit: 20% per level.



- Press the **Select** button to go back to the backlight brightness setting screen.
- **Ex: To change the backlight brightness setting from 5 (100%) to 3 (60%).**



- Press the **Adjust** button to select the Oil maintenance mileage.



4-5 Oil maintenance mileage settings

- Press the **Select** button to enter the Oil maintenance mileage setting screen.



- **Ex: To activate the Maintenance Mileage Indication and set the warning value to 500 km.**

- Press the **Select** button and notice the Maintenance Mileage Indication is activated.

NOTE If you don't want to use this function, then set it as "OFF" the Maintenance Mileage indication will not be displayed.

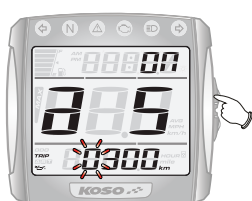


- Press the **Select** button to the digit you want to set.

⚠ The setting value will flash!

NOTE Setting range: 300 ~ 5,000 km (mile).
Setting unit: 100 km (mile).

NOTE Cursor moving order is:
from thousands digit to hundreds digit.



P.S.



- When the oil maintenance mileage returns to zero, the oil light will light up.
- The oil maintenance mileage is counting backwards.

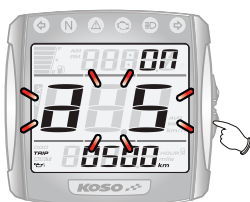
- Press the **Adjust** button to choose the setting number.



- Press the **Select** button 3 times to go back to the Oil maintenance mileage screen.
- **Ex: To change the Oil maintenance mileage setting from 300 to 500 km.**



- Press the **Adjust** button to select the Odometer setting.



4-6 Odometer settings

- Press the **Select** button to enter the Odometer setting screen.



- **Ex: To set Total Mileage (ODO) to 15,000km.**

- Press the **Select** button to the digit you want to set.

⚠ The setting value will flash!

NOTE Setting range : 0 ~ 99,999 km (mile).



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





- Press the **Select button** to go back to the Internal ODO display screen.
- **Ex: To change the Odometer setting from 0 to 15,000 km.**



- Press the **Select button** for 3 seconds to go back to the main screen.
- **Ex: Internal ODO setting is 12,500 km.**

4-7 Internal ODO settings



- Press the **Adjust button** to enter the Internal ODO screen.



- The main screen.

5 Trouble shooting

The following situations do not necessarily indicate malfunction of the product. Check the following points, before contacting us.

Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on.	<ul style="list-style-type: none"> ● The power isn't supplied to the meter. → Make sure the wiring is connected. The wiring and fuse are not broken. → The battery is too old to supply needed power (DC 12 V). 	The odometer and trip meter are not accumulated or accumulated the wrong data.	<ul style="list-style-type: none"> ● It is possible that the permanent power wire is not connected properly. → Check if the red positive wire is connect properly.
The meter shows wrong information.	<ul style="list-style-type: none"> ● Check the voltage of your battery, and make sure the voltage is over DC 12 V. 	Fuel gauge does not appear or appears incorrectly.	<ul style="list-style-type: none"> ● Check your fuel tank. Check the wiring harness. → Is the wire connected properly? ● Check the tire-size setting. → Refer to the manual 4-2 fuel gauge resistance settings.
Tachometer doesn't appear or appears incorrectly.	<ul style="list-style-type: none"> ● May be due to poor connection of wirings. → Please check whether the wiring is disconnected or has fallen off. ● May be due to the failure to change to the type R spark plug. ● May be wrong settings. → Please check the settings menu to confirm whether the setting for RPM is correct. 	The clock is incorrect.	<ul style="list-style-type: none"> ● May be wires are not connected correctly? → Check if the positive wire (Red) connected to the battery, and the main positive wire (Brown) connected to the main switch.

※If the problems still can't be solved, please contact our technical department for assistance.