

# INSTRUCTIONS



●Thank you for purchasing our product. Before installing/operating the product, 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 occuring do not pull or modify the wires during installation.
- Do not disassemble or change any parts. Opening and dissassembling this unit will void any warranty.
- Maintenance and repairs should be executed by our professionals only.

Symbol description:

#### NOTE

AWARNING! Certain procedures must be followed to avoid damages to yourself, to the vehicle or others



BUTTON ONE

SECONDS

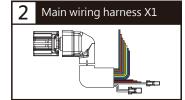


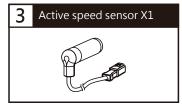


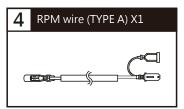


#### 1-1 Accessories

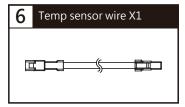


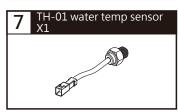


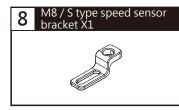


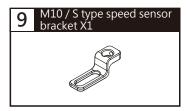






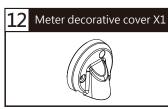


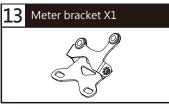






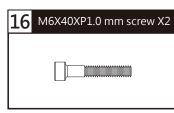


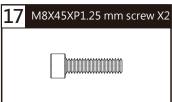












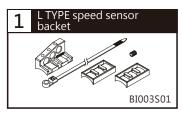


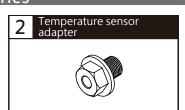


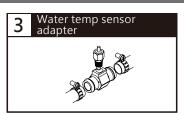


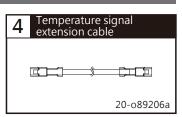


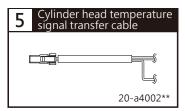
# 1-2 Optional accessories

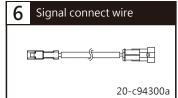


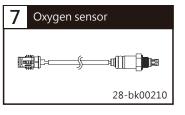










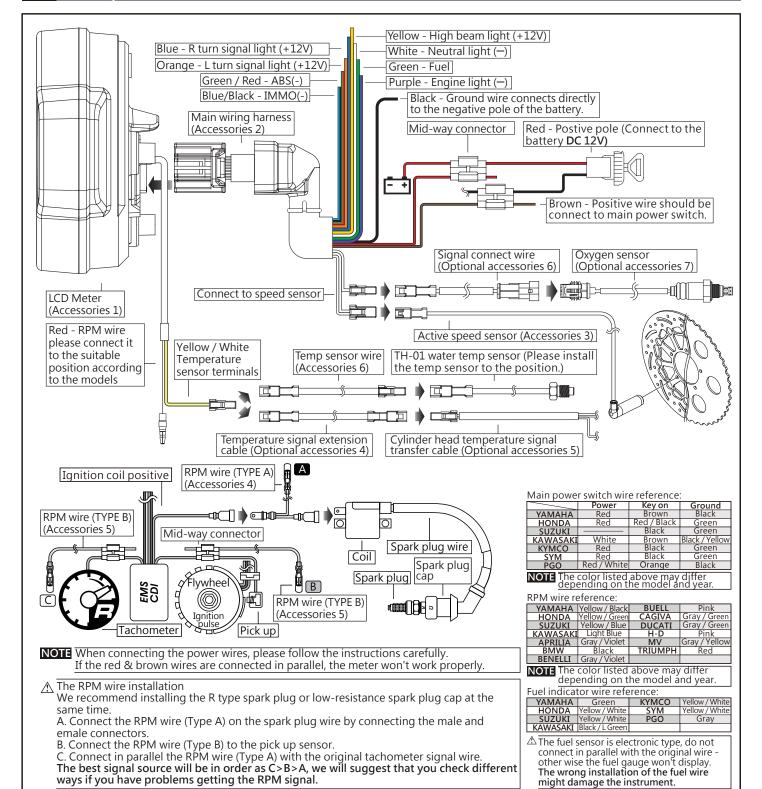




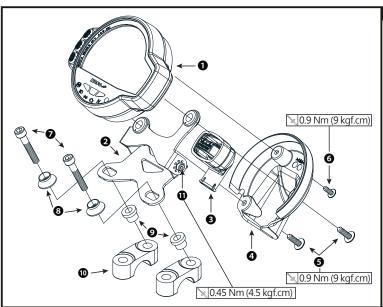


NOTE Some of the optional accessories may not be available in your area. Contact your local distributor to obtain more information.

#### 2-1 Wiring installation instructions



# 2-2 Installation instructions



#### When installing, please follow the steps bellow

- 1. LCD Meter (Accessories 1)
- 2. Meter bracket (Accessories 13)
- 3. Main wiring harness (Accessories 2)
- 4. Meter back cover (Accessories 12)
- 5. M5X16L mm screw x2 (Accessories 11) \( \sqrt{0.9 Nm (9 kgf.cm)} \)
- 6. M4X12L mm screw x1 (Accessories 10) \( \square\) 0.9 Nm (9 kgf.cm)
- 7. M6 or M8 mm screw x2 (Accessories 16 or 17)
- 8. M6 or M8 screw x2 (Accessories 18 or 19)
- 9. M6 or M8 gasket x2 (Accessories 20 or 21)

10. Handle bar bracket

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

11.Meter bracket micro-adjustment screw 0.45 Nm (4.5 kgf.cm)

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

#### 2-3 Oxygen Sensor Installation



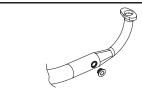
1. Drill a 22.5mm hole in the exhaust system approximately 200 mm away from the exhaust flange.



2. Weld the sensor bung (Option accessory 7) to the muffler.



3.Install the oxygen sensor (Option accessory 6) into the adapter.



After removing the oxygen sensor (Option accessory 6), please remember to put the screw cap (Option accessory 8) back in place.

▲ CAUTION! Please make sure the sensor won't hit the body or engine when installing to avoid damages.

# MOTO / SCOOTER S type speed sensor bracket instruction



Remove the caliper set screws.



Install the active speed sensor.



Install the S type sensor bracket.



Adjust the distance between sensor and magnet.

We suggest you to make sure the distance is under 2 mm for catching good speed signal.



Adjust to the proper angle and fasten the set screws. The set screws of the adaptor and the disc rotor shall be in concentric circles to prevent poor speed signals.

The active speed sensor can be installed by any metal parts to detect the speed.

EX. 1 The disc screw.

EX. 2 The disc to detect the disc gap. (Please make sure the distances between the gaps are the same in advance to avoid a poor speed signal.) EX. 3 The sprocket to detect the disc gap.

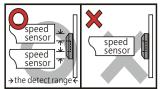
(Please make sure the distances between the gaps are the same in advance to avoid a poor speed signal.)

EX. 4 Rear disc - detect the gap between the disc.

We suggest you to pick up the speed from the disc screws. The more sensor points there are, the better the speed accuracy is. The maximum sensor points the speed sensor can detect is 20 points per turn.

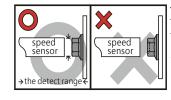
NOTE After installation, please use your hand to turn the tire to see is everything ok. The LED on the active speed sensor will light up once the signal is detected.

EX. 1



The hexagon socket disc screw The best detect area: The edge of the hexagon socket screw.

Please don't pick up the signal from the middle hole of the hexagon socket screw to avoid a poor signal.



The hexagon screw

The best detect area: The middle of the screws.

with a small hole in the center. In this case,we suggest you that to pick up the signal from the edge of the screw like the hexagon socket screw.

EX. 2 \ 4





The disc

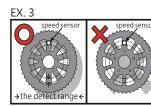
The best pick up area: Please detect the speed signal from the gaps of the disc.

↑ Please note that there are discs with the gaps in different locations, and this method will not work on it!

Gear meter

displayed.)

gear, show all (N / 1 ~ 6)



(When the gear function is off, the speed function is

• Display range: OFF, highest gear, N and highest

The sprocket

The best pick up area: Please pick up the speed signal from the gaps of the sprocket.

 ↑ Please note that there are sprockets with gaps in different locations, and this method will not work on it!

#### 3-1 Basic function instruction

Tachometer (LCD Bar)

Display Range:

 $0 \sim 10,000 \text{ RPM}$  (250 RPM each segment)

0 ~ 13,000 RPM (250 RPM each segment) Tachometer (Number)

\*Displays when the gear function is turned off

Display Range:

 $0 \sim 10,000 \text{ RPM}$  (100 RPM each segment)

0 ~ 13,000 RPM (100 RPM each segment)

Speedometer

Display range: 0~199 km/h (0~124 MPH)

Display unit: 1 km/h (MPH)

Button A (UP)

Button B (ENTER)

Button C (DOWN)

● Display Range: OFF 、 6 Levels

ABS

Fuel meter

●Indication light

High beam light Trun signal

Engine warning light

Neutral Warning light

♦⇒ ●IMMO

N

Odometer

● Display range: 0 ~ 99,999 km (mile) return to zero upon exceed

Display unit: 1 km (mile)

Distance meter A,B

● Display range : 0 ~ 9,999.9 km (mile) return to zero upon exceed

Display unit: 0.1 km (mile) Mileage maintenance user settings (closable)

Display range : user adjustable (500 ~ 16,000km / 300 ~ 10,000 mile) ~ -999 mile, automatically decreases according to the increase of total mileage.

Display unit : 1 km (mile)

Time

Display range: 12 hour format Run time

Display range:

00:00 ~ 99:59 (<100 hour) 100 ~ 9,999H (100 ~ 9,999 hour) Engine running time

Display range:

00:00 ~ 99:59 (<100 hours) 100 ~ 9,999H (100 ~ 9,999 hours)

• Display Range: OFF \ 11 temperature sensor type ranges

\*The temperature for the cylinder head will only be displayed when the RPM is over 0. Air-fuel ratio

Display Range: 12.1 ~ 17.5

X This is a selective function, which shall be used in conjunction with the narrowband AFR sensor.

Voltmeter

Display Range: 8.0 ~ 18.0 V

Max. speed record

88888

8888

388

● Display range: 0 ~ 199 km / h (0 ~ 124 MPH) Max. RPM

● Display range: 0 ~ 10,000 RPM \ 0 ~ 13,000 RPM Maximum temperature record

• Display range: 11 temperature sensor type ranges Max gear level record

Display range: -(No display) ~ 9 gear level

3-2 Features a	and settings description		
●Speedometer  ○Speedometer unit  ○Internal and external odometer  ○Trip meter A ` B	Display range: 0 ~ 199 km/h (0 ~ 124 MPH) switchable Display unit: 1 km/h (MPH) Setting range: km(km/h) · mile(MPH) Display range: 0 ~ 99,999 km (mile) return to zero once exceeded. Display unit: 1 km (mile) Display range: 0 ~ 9,999.9 km (mile) return to	● Temperature & Max Display range: ● OFF ● Cylinder head temp P-1	P-1A -20 ~ 200°C (-4 ~ 392°F) -40 ~ 365°F) -4 ~ 428°F) -4 ~ 392°F) P-5A -20 ~ 120°C (-4 ~ 248°F) -4 ~ 392°F) P-6A -30 ~ 200°C (-22 ~ 392°F)
	zero once exceeded.  Display unit: 0.1 km (mile)	P-5 -20 ~ 120°C (- P-6 -30 ~ 200°C (-	-22 ~ 392°F
Over speed warning	Setting range: 30 ~ 199 km/h (19 ~ 124MPH) warning on when higher than set value	3 Temperature sensor P-250 0 ~ 250°C (32	~ 482°F)
	(including). Setting unit : 1 km/h (MPH)		Setting range: °C \ °F Setting range: 50 ~ 180°C (122 ~ 356°F) ⋅
OTire circumference	Setting range: 300 ~ 2,500 mm Setting unit: 1 mm	o <b>o</b> voi tomp maning	warning sign on when higher than set value. Setting unit: 5°C(3°F)
<ul><li>Sensor points</li></ul>	Display range: 1 ~ 40 points		
● Gear indicator	Display range : OFF, highest gear, N and highest gear, show all $(N / 1 \sim 6)$	●Fuel meter	Setting range: OFF $\cdot$ 100 $\Omega$ $\cdot$ 250 $\Omega$ $\cdot$ 270 $\Omega$ $\cdot$ 390 $\Omega$ $\cdot$ 510 $\Omega$ $\cdot$ 1200 $\Omega$ $\cdot$ fuel switch $\cdot$ USER
<ul><li>Maintenance mileage</li></ul>	Setting range : 500 ~ 16,000 km (300 ~ 10,000 mile) Setting unit : 100 km (mile)	OLow fuel warning	Setting range: 0 ~ 3 segments, low fuel warning blinking when lower than set value (including). Setting unit: 1 segment
Bar segment	Display range:	● Clock	Cotting range (1.00 12.50 (12.11)
tachometer	0 ~ 10,000 RPM \ 0 ~ 13,000 RPM Display unit :	• Voltmeter	Setting range : 1:00 ~ 12:59 (12 H) Display range : 8.0 ~ 18.0 V
	0 ~ 10,000 RPM (250 RPM each segment)	Volumeter	Display unit: 0.1 V
	0 ~ 13,000 RPM (250 RPM each segment)	OLow voltage	Setting range: 8.0 ~ 13.0 V · low voltage warning
OThe RPM input pulse	Setting range : POS(+) \ NEG(-)	warning	on when lower than set value (including).
ORPM signal	Setting range: P-0.5 · P-1 · P-1.5 · P-2 · P-2.5 ·	J	Setting unit: 0.1 V
J	P-3 · P-4 · P-5 · P-6 · P-9 · P-10 · P-11 ·	<ul><li>Backlight brightness</li></ul>	Setting range: 1 - 5 (darkest)~ 5 - 5 (brightest)
	P-12 · P-17 · P-18 · P-23 · P-24 · P-34 · P-36	●ABS	Setting range : ON \ OFF
	or over-RPM (Illuminated)	●AFR	Setting range : ON \ OFF
Display range : 0 ~ Setting range : 3,00	00 ~ 9,750 RPM	• Lean/Rich settings	Display range: 12.1 ~ 17.5 Display unit: 0.1
Display range : 0 ~		Operating voltage	
Setting range: 3,00		• Temperature range	
	evalue (inclusive), the signaling light for	OSpecifications  OMeter Size	JIS D 0203(S2)
over-RPM will be lit	ng for over-RPM (Illuminated)	<ul><li>Meter Size</li><li>Meter Weight</li></ul>	128 X 98 X 48.8 mm About 200 g
Display range : 0 ~		●Indication light	●ABS (BS)
Setting range: 3,0		• Indication light	● High beam light ■□
	Display range: 0 ~ 13,000 RPM		■Turn signal ФФ
	Setting range : 3,000 ~ 12,750 RPM		●Engine warning light
Higher than the set value (inclusive), the signaling light for			●Neutral N
over-RPM will be lit (red)			<ul><li>Warning light / IMMO</li></ul>

OThird-stage warning for over-RPM (Blinking)

Display range : 0 ~ 10,000 RPM Setting range : 3,250 ~ 10,000 RPM Display range : 0 ~ 13,000 RPM Setting range : 3,250 ~ 13,000 RPM

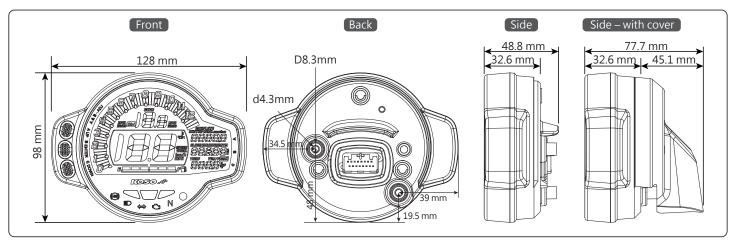
Higher than the set value (inclusive), the signaling light for

over-RPM will be flashing (green + red)

Setting unit: 100 RPM

**NOTE** Design and specification may change without further notice.

# 3-3 Meter size



#### 3-4 Button A (UP) function instructions



 In the total mileage screen, press button A once to switch to Trip A screen.



- Trip A screen, press button A once to switch to Trip B screen.
- Hold the button A for 3 seconds to clear the Trip A recordings.







- Trip B screen, press button A once to switch to mileage maintenance screen.
- Hold the button A for 3 seconds to clear the Trip B recordings.







- In the mileage maintenance screen, **press the button A once** to return to total mileage screen.
- Mileage maintenance will count down from setting value, when it reaches 0, the screen will blink to indicate mileage reached.



 Hold the button A for 8 seconds to clear the mileage maintenance recordings.



OAt 0 seconds, start holding the button.



- At 3 seconds, mileage display will begin blinking.
- OBetween 4-7 seconds, if the button is released, the process will end.
- OAfter 8 seconds, the mileage maintenance record is cleared.



Total mileage screen.

# 3-5 Button B (ENTER) function instructions



- ●In the clock screen, **press button B once** to switch to Run time.
- Hold the button B for 3 seconds to enter into the setting screen.

# 3-5-1 Clock settings



- ●EX: To set hour to 10.
- Press button A (to add) or button C (to deduct) to choose the setting number.
   Now the setting value will blink.
- NOTE Cursor moving order is :
  Digit in ten minutes > Digit in minutes

**NOTE** Setting range : 1 ~ 12 (12H).



- Example : Set time settings from 12 to 10
- Press button B once to enter time into the (minutes) settings screen.



- Example : You want to change the minutes to 30.
- Press button A (to add) or button C (to deduct) to choose the setting number.

↑ Now the setting value will blink.

**NOTE** Setting range : 00 ~ 59 minutes.



- ●EX : Set time settings from 0 to 30.
- Press button B once to go back to the clock screen.



Clock screen.



- •In the Runtime screen, press button B once to enter into the hour meter.
- **NOTE** Time would start accumulating when the speed per hour is over 5 km/h.

Runtime	<100 hour	100 ~ 9,999 hour
Display range	00:00 ~ 99:59	100 ~ 9,999 H
Icon example	CLOCK BUN HOUR RATIO	CLOCH RUN HOURRATIO

 Hold the button A for 3 seconds to clear the Runtime screen.





- ●In the hour meter, **press button B once** to return to time screen.
- **NOTE** Time will start accumulating when the running speed is over 1,000 RPM.

Hour meter	<100 hour	100 ~ 9,999 hour
Display range	00:00 ~ 99:59	100 ~ 9,999 H
Icon example	CLOCK RUN HOURRATIO	CLOCK RUN HOUR RATIO

 Hold the button A for 3 seconds to clear the Hour meter screen.





Clock screen.

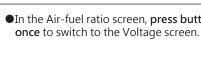
#### 3-6 Button C (DOWN) Function instructions



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●In the engine temperature screen, **press** button C once to switch to Air-fuel ratio screen

**NOTE** Enter the voltage screen when the AFR function is set to off.



●In the Air-fuel ratio screen, press button C



- ●In the MAX screen, press the button C once to return to the engine temperature screen.
- Hold the button C for 3 seconds to clear the MAX screen.





• Engine temperature screen.



●In the Voltage screen, **press button C once** to switch to the MAX screen.

# 4 The settings screen description



Setting the main screen



●1.1 \_Overspeed warning



●1.2 \_Maintenance mileage settings



●1.3 \_Sensor point setting



●1.4 Wheel circumference



●2.1 \_First-stage RPM warning value



●2.2 \_Second-stage warning for RPM



●2.3 \_Third-stage warning for RPM



●2.4 RPM



● 2.5 \_Type of RPM signals



●2.6 RPM stroke piston



●3.1 \_Type of thermal sensor



•3.2 \_Over temperature warning



●3.3 \_Temperature unit



●4.1 \_Backlight brightness



●4.2 \_ABS



●4.3 \_Air-fuel ratio



•4.4 Low voltage warning



●4.5 \_Total mileage



●4.6 \_Mileage unit



•5.1 \_Fuel resistance setting



●5.2 \_Low fuel warning



●6.1 \_Gear



Exit settings



NOTE Press button A (to add) or press button C (to deduct) to set the item.

NOTE The diagrams are examples of button A.

#### 4-1 Overspeed warning



Press button B to enter overspeed warning setting screen.



- Example : Set the overspeed warning value from 60 km/h to 90 km/h.
- Press button B once to return to overspeed warning screen.



- EX: To set overspeed warning value to 90 km/h.
- Press button A (to add) or button C (to deduct) to choose the setting

Now the setting value will blink.

**NOTE** Setting range:

30 ~ 199 km/h (19 ~ 124 MPH). Setting unit: 1 km/h (MPH). Default value: 60 km/h (38 MPH)



- Overspeed warning setting screen.
- Press button A once to enter next setting.

# 4-2 Maintenance mileage settings



● Press button B to enter Maintenance mileage settings screen.



- Example : Set the Maintenance mileage value from 500 to 1,500.
- Press button B once to return to Maintenance mileage screen.



- EX: To set Maintenance mileage settings value to 1,500.
- Press button A (to add) or button C (to deduct) to choose the setting

Now the setting value will blink.

NOTE Setting range: 500 ~ 16,000 km (300 ~ 10,000 mile). Setting unit: 100 km (mile). Default value: 500.



- Maintenance mileage setting screen.
- Press button A once to enter next setting.

# 4-3 Sensor point settings



Press button B to enter the Sensor point settings screen.



- to 6.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Setting range :  $1 \sim 40$ . Setting unit: 1. Default value: 1



- Example: Set the Sensor point settings value from 1 to 6.
- Press button B once to return to the sensor point settings screen.



- Sensor point setting screen.
- Press button A once to enter next setting.



#### 4-4 Tire diameter settings



● Press button B to enter Tire circumference settings screen.

#### **↑** CAUTION!

- Please measure the tire circumference (the tire you will install the sensor on) and make sure the number of magnet sensor point (You could install the magnet into the disc screw or the sprocket screw.)
- The speed displayed on the meter will be affected by the setting, please make sure the setting number is correct before you make the setting.
- ♠ Please reset this function upon changing the tire size.

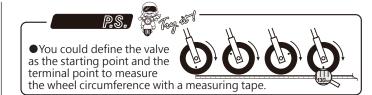


●EX: To set Tire circumference setting value to 1,300 mm.

Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Setting range : 300 ~ 2,500 mm. Setting unit: 1 mm. Default value: 1,000 mm.





Press button A (to add) or button C (to deduct) to choose the setting



• Example : Set the tire circumference value from 1,000 to 1,300.

Press button B once to return to Maintenance mileage screen.



• Tire circumference setting screen.

Press button A once to enter next setting.

# 4-5 First-stage RPM warning value



● Press button B to enter First-stage RPM warning value screen.



●EX: To set First-stage RPM warning value to 7,000 RPM.

Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** When the scope of RPM is 0 ~ 10,000 RPM.

Setting range: 3,000 ~ 9,750 RPM When the scope of RPM is

0 ~ 13,000 RPM.

Setting range: 3,000 ~ 12,750 RPM Default value: 6,000 RPM.



Example : Set the First-stage RPM warning value from 6,000 RPM to 7,000 RPM.

● Press button B once to return to First-stage RPM warning screen screen.



First-stage RPM warning value setting screen.

Press button A once to enter next setting.

#### 4-6 Second-stage warning for RPM



● Press button B to enter Second-stage warning for RPM value screen.



EX: To set Second-stage warning for RPM to 8,700 RPM.

Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink

**NOTE** When the scope of RPM is 0 ~ 10,000 RPM.

Setting range: 3,250 ~ 10,000 RPM When the scope of RPM is

0 ~ 13,000 RPM.

Setting range: 3,250 ~ 13,000 RPM Setting unit: 250 RPM. Default value: 8,000 RPM



●Example: Set the Second-stage warning for RPM value from 8,000 RPM to 8,750 RPM.

Press button B once to return to Second-stage warning for RPM screen.



- Second-stage warning for RPM value setting screen.
- Press button A once to enter next setting.



# 4-7 Third-stage warning for RPM



 Press button B to enter Third-stage warning for RPM value screen.



- Example: Set the Third-stage warning for RPM value from 9,000 RPM to 10,000 RPM.
- Press button B once to return to Third-stage warning for RPM screen.



EX: To set Third-stage warning for RPM to 10,000 RPM.

 Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE When the scope of RPM is  $0 \sim 10,000$  RPM.

Setting range: 3,250 ~ 10,000 RPM When the scope of RPM is

0 ~ 13,000 RPM.

Setting range: 3,250 ~ 13,000 RPM Setting unit: 250 RPM.

Setting unit: 250 RPM. Default value: 9,000 RPM.



- Third-stage warning for RPM value setting screen.
- Press button A once to enter next setting.





 Press button B to enter RPM settings screen.



- ●Example: Set the RPM value from 0 ~ 10,000 RPM to 0 ~ 13,000 RPM.
- Press button B once to return to RPM screen.



- To set the RPM range to 0 ~ 13,000 RPM.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE Setting range : 0 ~ 10,000 RPM

0 ~ 13,000 RPM · <u>Default value</u> : 0 ~ 10,000 RPM ·



- RPM setting screen.
- Press button A once to enter next setting.

#### 4-9 Type of RPM signals



• Press button B to enter Type of RPM signals screen.



- EX: To set Type of RPM signal to negative(-).
- Press button A (to add) or button C (to deduct) to choose the setting.

<u>∧ Now the setting value will blink.</u>

NOTE Settings range : POS(+) \ NEG(-).

Default value : POS(+).



- Example: Set the Type of RPM signals value from POS(+) to NEGA(-).
- Press button B once to return to RPM screen.



- Type of RPM signals value setting screen.
- Press button A once to enter next setting.

#### 4-10 RPM stroke piston



● Press button B to enter RPM stroke piston value screen.



- Example : Set the RPM stroke piston value from 1 to 12.
- Press button B once to return to Running speed stroke piston screen.



- EX. You want to connect the RPM signal wire to the pick up signal and there are 12 flywheel signals per turn.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE Settings range: P-0.5 · P-1 · P-1.5 · P-2 · P-2.5 · P-3 · P-4 · P-5 · P-6 · P-9 · P-10 · P-11 · P-12 · P-17 · P-18 · P-23 · P-24 · P-34 · P-36. Default value: 1.



- RPM stroke piston setting screen.
- Press button A once to enter next setting.

# 4-11 Type of thermal sensor



Press button B to enter Type of thermal sensor value screen.

#### ⚠ CAUTION!

- Methods for temperature detection are divided into OFF, cylinder head temperature, and temperature sensor.
- For the cylinder head temperature function, it requires additional wiring to be purchased seperately (Optional accessory 4 and 5).
- For the temperature sensor function, please select P-25 regarding the setting value.



- ●EX: For YAMAHA FORCE 155, the setting value as per the reference is P-5.
- Press button A (to add) or button C (to deduct) to choose the setting number.
- Now the setting value will blink
- $\underline{\wedge}$  If the setting is OFF, enter the 4-14 backlight brightness directly.
- NOTE Settings range : OFF \ P-1 \ P-2 P-3 \ P-4 \ P-5 \ P-6 \ P-1A \ P-2A \ P-5A \ P-6A \ P-250. Default value: P-250.

**NOTE** The temperature for the cylinder head would only be displayed when the RPM is > 0RPM.

# Model category reference

Vehicle brand	Vehicle type	Default value
YAMAHA	GTR	P-1
	BWS	P-1
	CUXI	P-1
	CYGNUS	P-1
	S-MAX	P-5
	Force 155	P-5
SYM	RX 110	P-2
	DRG	P-2
KYMCO	RACING 150	P-3
	VJR	P-3
	CUXI	P-4
	Quannon 150	P-6
HONDA	PCX (esp)	P-6
	MSX	P-6
	Monkey	P-6

	TOR areact ECO					
_						
e	Vehicle brand	Vehicle type	Default value			
	YAMAHA	GTR	P-1A			
		BWS	P-1A			
		CUXI	P-1A			
		CYGNUS	P-1A			
		S-MAX	P-5A			
		Force 155	P-5A			
	SYM	RX 110	P-2A			
		DRG	P-2A			
	HONDA	PCX (esp)	P-6A			
		MSX	P-6A			
		Monkey	P-6A			
			-			



- ■Example : Set the Type of thermal sensor value from P-250 to P-5.
- Press button B once to return to Type of thermal sensor screen.



- Type of thermal sensor setting screen.
- Press button A once to enter next setting.

# 4-12 Warning indicator operation settings - overheat



Press button B to enter overheat warning setting value screen.



- EX: To set overheat warning value to 90 °C.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE Settings range : 50 °C ~ 180 °C (122 ~ 356 °F) °

Setting unit: 5 °C (3 °F) · Default value: 100 °C (212 °F)



- Example : Set the Warning indicator operation settings - overheat from 100 °C to 90 °C.
- Press button B once to return to Warning indicator operation settings - overheat screen.



- Warning indicator operation settings overheat setting screen.
- Press button A once to enter next setting.



#### 4-13 Speed, temperature unit settings



Press button B to enter Speed, temperature unit settings screen.



- Example : Set the temperature unit settings from °C to °F.
- Press button B once to return to Warning indicator operation settings overheat screen.



- ●EX: To set temperature unit settings value to °F.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Settings range: °C \ °F. Default value: °C.



- Speed, temperature unit settings screen
- Press button A once to enter next setting.

# 4-14 Backlight brightness settings



Press button B to enter Backlight brightness settings value screen.



- Example : Set the Backlight brightness settings from 5-5 to 3-5.
- Press button B once to return to Backlight brightness settings screen.



- ●EX: To set Backlight brightness settings value to 3-5.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Settings range : 1-5 ~ 5-5. Default value: 5-5.



- Backlight brightness settings screen.
- Press button A once to enter next setting.

### 4-15 ABS settings



● Press button B to enter ABS settings screen.



- •Example: Set the ABS settings from OFF to ON.
- Press button B once to return to ABS settings screen.



- ●EX: To set ABS to ON.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Settings range : ON \ OFF. Default value: ON.



- ABS settings screen.
- Press button A once to enter next setting.

### 4-16 AFR settings



● Press button B to enter air-fuel ratio settings screen.



- EX: To set air-fuel ratio to ON.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE Settings range: ON \ OFF. Default value: OFF.

**NOTE** This selected function, will only work with the air-fuel ratio sensor.



- Example: Set the air-fuel ratio settings from OFF to ON.
- Press button B once to return to AFR settings screen.



- Air-fuel ratio settings screen.
- Press button A once to enter next setting.



#### 4-17 Warning indicator operation settings - Low Voltage



Press button B to enter the low voltage warning setting screen.



8866

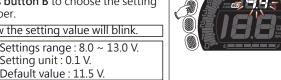
- Example: Set the low voltage warning value from 11.5 V to 10.0 V.
- Press button B once to return to warning indicator settings screen.



- EX: To set low voltage warning
- Press button B to choose the setting number.

Now the setting value will blink.

NOTE Settings range: 8.0 ~ 13.0 V. Setting unit: 0.1 V. Default value: 11.5 V.



- Warning indicator resistance settings
- Press button A once to enter next setting.



Press button A (to add) or button C (to deduct) to choose the setting number.

# 4-18 Total mileage settings

Ösccö

aaaaa



● Press button B to enter Total mileage settings screen.



- Press button A (to add) or button C (to deduct) to choose the setting number.
- ⚠ User unable to adjust and clear internal ODŎ
- Now the setting value will blink

NOTE Settings range: 0 ~ 99,999 km



● Press button B to choose the setting number.



- ●Example: Set the external ODO from 0 to 50,000 km.
- Press button B once to return to Total mileage settings screen.



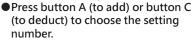
- Total mileage settings screen.
- Press button A once to enter next setting.

### 4-19 Mileage unit settings



• Press button B to enter Mileage unit settings screen.





**NOTE** Settings range :

km(km/h) · mile(MPH). Default value: km(km/h).



- Example : Set the Mileage unit settings from km/h to mile.
- Press button B once to return to Mileage unit settings screen.



- Mileage unit settings screen.
- Press button A once to enter next setting.



# 4-20 Fuel gauge resistance settings



 Press button B to enter Fuel gauge resistance settings screen.



 EX: For YAMAHA FORCE 155, the setting value as per the reference is 270 Ω.

 Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE The fuel gauge resistance setting range : OFF  $\cdot$  100 $\Omega$   $\cdot$  250 $\Omega$  270 $\Omega$   $\cdot$  390 $\Omega$   $\cdot$  510 $\Omega$   $\cdot$  1200 $\Omega$   $\cdot$  fuel switch  $\cdot$  CUSt. Default value : 100  $\Omega$ .

**NOTE** In the absence of the fuel meter wirings, the fuel meter will not be displayed.

NOTE Custome fuel level resistance

1)Manual - Please check 4-20-1 Fuel Level Resistance Manual Setting Instructions.

2)Auto - Please check 4-20-2 Fuel Level Resistance Auto Setting Instructions.

3)Where the setting is OFF, directly enter into the 4-22 gear setting.

Vehide brand	Vehicle type	Default value	Vehicle brand	Vehicle type	Default value
YAMAHA	JOG 50 , 100	100 Ω	YAMAHA	LC 135	100 Ω
	RS 100	100 Ω		NEW LC 135	100 Ω
	RSZ 100	100 Ω		LAGENDA 110	100 Ω
	SV MAX 125	100 Ω		S-MAX 155	100 Ω
	CYGNUS 125	100 Ω		T-MAX 530	100 Ω
	NEW CYGNUS 125	100 Ω		MIO 110	100 Ω
	GTR 125	100 Ω		AEROX 50	100 Ω
				BW'S 125	100 Ω
				EODCE 155	270.0

車系	車 種	Default value
HONDA	MSX 125	270 Ω
	WAVE 110	510 Ω
	GN5 110	510 Ω
	SH-150i	510 Ω
	PCX 125	100 Ω
	CBR 250	180 Ω
	MONKEY 125	390 Ω
GILERA	RUNNER 50	100 Ω
PEUGEOT	SPEEDFIGHT 50	100 Ω
APRILIA	SR 50	100 Ω
SUZUKI	V 125	100 Ω
PGO	TIGRA 125 , 150	700 Ω
	X-HOT 125, 150	100 Ω
	I'ME 125	100 Ω
	J BUBU 115	700 Ω
	G-MAX 125	100 Ω
	G-MAX 150	700 Ω

車系	車 種	Default value
KYMCO	GOING 100	510 Ω
	JR 100	510 Ω
	SR G4 125	510 Ω
	V-LINK GP 125	510 Ω
	KTR 150	100 Ω
	RACING 125, 150	1200 Ω
	Quannon 150	1200 Ω
	G5 125 , 150	1200 Ω
	G6 150	100 Ω
	VJR 50 , 110	1200 Ω
SYM	S-PRO 100	100 Ω
	WOLF 125	100 Ω
AEON	ELITE 250	100 Ω
	CO-IN 125	100 Ω
	MY 125 , 150	100 Ω
GILERA	MINI 125	100 Ω
Hartford	Clouded Leopard 150	100 Ω



• Example : Set the Fuel gauge resistance settings from 100  $\Omega$  to 270  $\Omega$ .

 Press button B once to return to Fuel gauge resistance settings screen.



- Fuel gauge resistance settings screen.
- Press button A once to enter next setting.





- EX: To set the resistance of the fuel meter (Ω) to CUSt.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Default value :  $100 \Omega$ 



- Example: Set the resistance of the fuel meter (Ω) on the main screen from 100 to CUSt.
- Press button B two times to enter the manual operating setting screen.
- •Example: For YAMAHA FORCE 155, according to the service manual, the fuel tank resistance from low to high is 267 273  $\Omega$  (the lowest) and 10 14  $\Omega$  (the highest). So enter the setting value as 14  $\Omega$ .



• Example : Set the lowest fuel resistance from 0 to 267  $\Omega$ .

Press button A (to add) or button C

(to deduct) to choose the setting

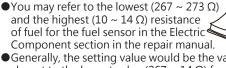
number.

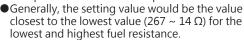
 Press button B for three times to enter the setting screen for the highest fuel resistance.





- •EX : To set the highest fuel resistance to 14  $\Omega$ .
- Press button B to choose the setting number.
- Now the setting value will blink.







- lowest and highest fuel resistance.

   EX : To set the low
  - •EX : To set the lowest fuel resistance to 267  $\Omega$ .
  - Press button B to move the cursor to the setting range.

Now the setting value will blink.



 Press button A (to add) or button C (to deduct) to choose the setting number.



- Example : Set the highest fuel resistance from 0 to 14  $\Omega$ .
- Press button B for two times to return to the screen for the resistance of the fuel meter  $(\Omega)$ .





• Fuel gauge resistance settings screen.

Press button A once to enter next setting.

#### 4-20-2 Automatic detection operating settings



•EX: To set the resistance of the fuel meter ( $\Omega$ ) to CUSt.

Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Default value :  $100 \Omega$ 



• Example : Set the resistance of the fuel meter ( $\Omega$ ) on the main screen from 100 to CUSt.

Press button B to enter the automatic detection screen.



•The fuel float sensor in the lowest position.

The lowest position



● Press button A or button C to detect the lowest fuel resistance.



Example : The automatic detected minimum fuel level is 267  $\Omega$ .

Press button B for five times to enter the detection screen for the highest fuel resistance.

#### **↑** CAUTION!

● Before detection, please ensure 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.



The highest position

The fuel float sensor is in the highest position.





Press button A or button C to detect the highest fuel resistance.



●Example: The highest oil revel automatically detected was 14  $\Omega$ .

Press button B for five times to return to the screen for the resistance of the fuel meter ( $\Omega$ ).



Fuel gauge resistance settings screen.

Press button A once to enter next setting.

### 4-21 Low fuel warning settings



Press button B to enter Low fuel warning settings screen.



- ●EX: To set the low fuel level to 2 bars.
- Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

**NOTE** Settings range: 0~3 bars, the fuel level symbol will blink as a warning when the fuel level is at the setting value or below. Default value: 1 bars



- Example: Set the low fuel level from 1 to 2 bars.
- Press button B once to return to Low fuel warning settings screen.



- Low fuel warning settings screen.
- Press button A once to enter next setting.

#### 4-22 Gear learning settings



 Press button B to enter gear learning settings screen.



EX: To set the gear to gear-learning.

 Press button A (to add) or button C (to deduct) to choose the setting number.

Now the setting value will blink.

NOTE If any changes happen to the tires circumference then the gear indicator will need to relearn the gear positioning.

NOTE Settings range :
OFF \ Gear-learning
Default value : Gear-learning



 Example : Set the Gear learning from off to Gear-learning.

Press button B to enter the Gear-learning screen.



 Example: When the gauge displays LEArN, it will blink.

• Press button A or button C to start the gear learning.

NOTE Where gear-learning is not required, press button B to return to the main screen for gear-learning setting.



Start riding when "GO" is flashing.

NOTE To abandon the gear-learning, short-press any button to return to the main screen for gear-learning setting.









 During the gear learning, please select a road that is wide and and relatively straight with little to no traffic lights for more accurate settings and traffic safety.

#### Step one





•When the 1st Gear is blinking, please change the gear of the bike to 1st gear and keep riding the bike for few seconds. The setting is completed when the signal has detected the accurate 1st gear value, and the process will move on to the 2nd gear.

#### Step two





●When the 2nd Gear is blinking, please change the gear of the bike to 2nd gear and keep riding the bike for few seconds. The setting is completed when the signal has detected the accurate 2nd gear value, and the process will move on to the 3rd gear.

#### Step three





•When the 3rd Gear is blinking, please change the gear of the bike to 3rd gear and keep riding the bike for few seconds. The setting is completed when the signal has detected the accurate 3rd gear value, and the process will move on to the 4th gear.

#### Step four





• If the highest gear for the bike is the 6th gear, when the gear learning model has reached the 7th gear and it is unable to detect the accurate gear after pending for few seconds, it will end the learning process and return to the setting screen.



- Gear learning settings screen.
- Press button A once to enter next setting.

#### 4-23 Exit settings



 Once confirmed, to leave the screen, press button B to return to the main screen.



Main screen.

#### 5 Trouble shooting

The following situations do not indicate malfunction of the meter. Check the following points before contacting us

Trouble	Check item	Trouble	Check item
The meter doesn't work when power is on.  The meter shows	<ul> <li>The power isn't supplied to the meter.</li> <li>→Please make sure the wiring is connected.</li> <li>The wiring and fuse are not broken.</li> <li>→The battery is too old to supply needed power (DC 12 V).</li> <li>Check the voltage of your battery, and</li> </ul>	Fuel meter doesn't display or displays error.	<ul> <li>May be due to poor connection of wiring.</li> <li>→ Please check whether the wires are disconnected or have fallen off.</li> <li>May be wrong setting.</li> <li>→ Please check the settings menu to confirm whether the setting for fuel level</li> </ul>
wrong information. Speed doesn't appear or appears incorrectly.	make sure the voltage is over DC 12 V.  May be due to poor connection of wiring.  →Please check whether the wires are disconnected or have fallen off.  May be wrong settings.  →Please check the settings menu to confirm whether the setting for speed per hour is correct.	The clock is incorrect.	is correct.  ■ May be wrong setting.  → Please check the setting list to see whether the setting for clock is correct.  ■ Wirings for the connector may be poorly installed.  → Please confirm whether the wires in
Tachometer doesn't appear or appears incorrectly.	<ul> <li>May be due to poor connection of wiring.</li> <li>→Please check whether the wires are disconnected or have fallen off.</li> <li>May be due to failure to change to R type spark plug.</li> <li>May be wrong setting.</li> <li>→Please check the settings menu to confirm whether the setting for RPM is correct.</li> </ul>	Voltage doesn't appear or appears incorrectly.  A / F does not display	the connector is properly installed and whether the wires are connected.  ■Wires in the connector may be poorly installed.  →Please confirm whether the wires in the connector is properly installed and whether the wires are connected.  ■May be due to poor connection of wiring.
Thermometer doesn't appear or appears incorrectly.	<ul> <li>May be due to poor connection of wiring.</li> <li>→Please check whether the wires are disconnected or have fallen off.</li> <li>May be wrong setting.</li> <li>→Please check the settings menu to confirm whether the setting for temperature is correct.</li> </ul>	or displays error.	<ul> <li>→Please check whether the wires are disconnected or have fallen off.</li> <li>May be due to the wrong settings of AFR.</li> <li>→Please check the settings menu to confirm whether the setting is correct.</li> </ul>

 $<sup>\</sup>times$  If you can't resolve the problems according to the steps above, please contact our technical department.