INSTALLATION



Thanks for purchasing our T&T meter. Before operating this unit, please read carefully the instruction sheet and retain it for future reference

⚠ Notice

- 1. This meter work on DC 12 volts applications only.
 2. For proper installation, please follow the steps described in the instruction sheets. Any damages caused by wrong installation shall be imputed to the users.
- 3.Don't break or modity the wire terminals. To avoid any short circuit, do not pull the wires out of the terminal when installing.
- 4.Do not disassemble or change any parts.
- 5.Opening the instrument will void any warranty. Maintenance or repair should be executed by our professionals only.

MARK MEANING:

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

AWARNING! Some procedures must be followed to avoid injuries to the user or others.

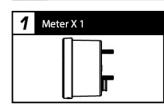
CAUTION! Some procedures must be followed to avoid damages to the vehicle.

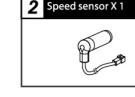






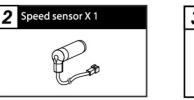


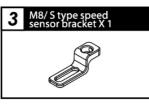


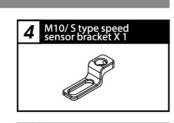


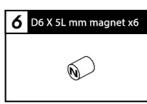
14 M5 washer X 3

(0)

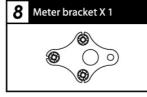


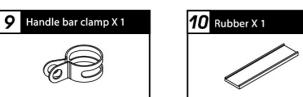






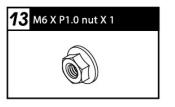




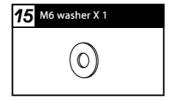










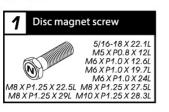


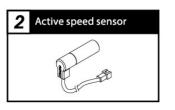


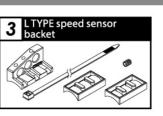


NOTE Please contact your local distributor if the items received in the box are not the same as the one listed above.

1-2 Optional accessories



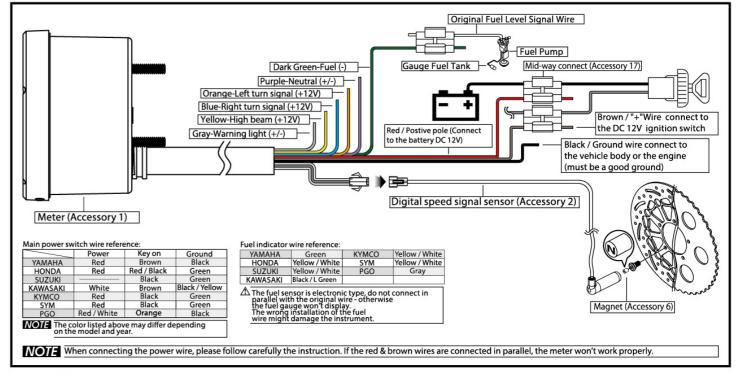




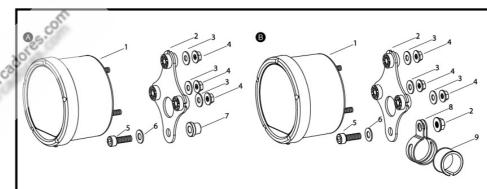
NOTE The optional active speed sensor can read up to 20 pulses and do not require the installation of any magnets to pick up the speed signal. Note that the passive speed sensor supplied with the instrument can read up to 6 pulses.

NOTE Some of the optional accessories might not be available in your country. Contact your local distributor to get more details.

2-1 Wiring installation instruction







When installing, please follow the process.

- . Meter (Accessory 1)
 - 2. Meter bracket (Accessory 8)
 - 3. M5 washer X 3 (Accessory 14)
 - 4. M5XP0.8 nut X 3 (Accessory 12)
 - 5. M6XP1.0 Screw (Accessory 13)
 - 5. M6 washer (Accessory 15)
- **⚠**Use the meter bracket (Accessory 8),aluminum bush(Accessory 16) to install the speedometer on the handle bar stem.
- BUse the meter bracket (Accessory 8), handle bar clamp (Accessory 9), rubber (Accessory 10) and the M6XP1.0 nut (Accessory 13) to install the meter on the handle bar.

2-3 Installation instruction

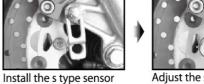


brake disc screw hole.





bracket.

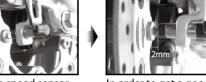


Adjust the sensor bracket

magnet to prevent bad

speed signal

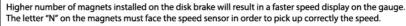
position to make sure on the bracket. the sensor is facing the



Install the speed sensor

In order to get a good speed signal, the distance between the speed sensor and magnet should be under 2 mm.





- 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 4 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.



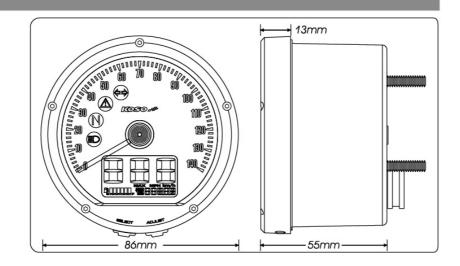




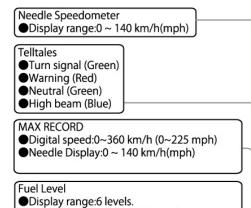


3-1 Dimensional drawing





3 - 2 Basic function instruction



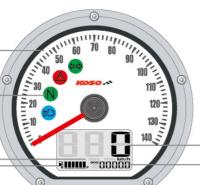
●The fuel level begins to flash when only 1

Press the Select button in the main

screen to switch between MAX record.

Digital Speedometer

●Display range:0 ~ 360 km/h (0~225 mph) Display unit:1 km/h (mph)



Odometer

●Display range:0 ~ 99999 km (mile), reset automatically after 99999 km (mile).

Display unit:1 km (mile)

Trip meter A/B ●Display range:0 ~ 999.9 km (mile), reset

automatically after 999.9 km (mile).

●Display unit:0.1 km (mile)

Colck ●24 H

Volt meter

●Display range:DC 8~ DC 18V

•Flashing warning when voltage is lower than 11.5V or higher than 15.5 V.

Adjust Button

 Press the Adjust button in the main screen to switch between ODO, TripA/B, Clock, Volt meter.

3-3 Functions

Select button

Speedomete	Display range: $0 \sim 360 \text{ km/h}$ ($0 \sim 225 \text{ mph}$) Display unit: 1 km/h (mph)	
ODisplay internal	<0.5 second	
Oodmeter	Display range:0 ~ 99999 km (mile),reset automatically after 99999 km (mile) Display unit:1 km (mile)	
○Trip meter A/B	Display range:0 ~ 999.9 km (mile),reset automatically after 999.9 km (mile) Display unit:0.1 km (mile)	
OTire circumference	Setting range:300~2,500 mm Setting unit:1mm Sensitive point:1~20	
●Fuel meter	Display range:6 levels Display unit:Each level represent 16.6% Setting range: $100\Omega,250\Omega,510\Omega,1200\Omega,SW$	
●Clock	24 H	
■Volt meter	Display range:DC 8~18V	

Flashing warning when voltage is lower than 11.5 V or higher than 15.5 V

Display range:0~99999 km(mile) Maintenance Mileage Display range:1 km (mile) Display range:0~99999 km(mile) ODO setting

Display range:1 km (mile) Setting range:1-5 (Darkest)~5-5 (Brightest) Backlight brightness Setting unit: Each level represents 20% Right

DC 12 V Effective voltage

●Effective temperature range -10~+60°C JIS D 0203 S2 Meter standard

85.5 X 54.5 mm Meter size Meter weight Around 330 g

•Indicator light color Turn signal (Green)

Warning (Red) Neutral (Green) High beam (Blue)

NOTE Design and specifications are subject to change without notice!

3-4 Button function instruction

Press the Select button

1.In main screen, press the Select button to enter the MAX record display.

2.In setting screen, press the Select button to choose the function you want to

Hold the Select button for 3 seconds

1.In setting screen, hole pressing the Select button for 3 seconds to go back to

Press the Adjust button

1.In main screen, press the Adjust button to choose the odometer, trip A, trip B, clock, volt.

2.In the setting screen, press the Adjust button to change the setting numbers. If you keep pressing down the Adjust button the number will increase quikly.

Hold the Adjust button for 3 seconds

- 1.In the main screen, hole the Adjust button for 3 seconds to reset the trip A, trip B and the MAX record.
- 2. In the ODO screen, hole the Adjust button for 3 seconds to switch between the km/h and mile/h

Hold the Adjust button

1.In the setting screen, hold the Adjust button to add quikly the set value.

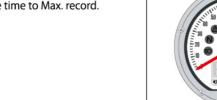
Hold the Select + Adjust buttons for 3 seconds

1.In the main screen, hold the Select+Adjust buttons at the same time for 3 seconds to enter the setting screen.

3-5 Main function instruction (Select button)



In the main screen. Press the Select button one time to Max. record.



Main screen.



- ●In Max. record screen. Press the Select button one time to go back to the main screen (ODO).
- ●Hold the Select button for 3 seconds to reset Max. record.



3-6 Main function switch instruction (Adjust button)



- ●In main screen (ODO). Press the Adjust button one time to enter the trip A
- ●Hold the Adjust button for 3 seconds to





- ●In the trip A screen. Press the Adjust button one time to enter the trip B
- ●Hold the Adjust button for 3 seconds to





- ●In the trip B screen. Press the Adjust button one time to enter the clock screen
- ●Hold the Adjust button for 3 seconds to reset Trip B.





●In the clock screen.. Press the Adjust button one time to enter the volt



●In the volt screen. Press the Adjust button one time to go back to the main screen (ODO)



Main screen.



wh035ba12a-P2

3-7 Setting screen instruction



●In the main screen, hold for 3 seconds the Select & Adjust button to enter the setting screen.

●In setting screen, press the Select button to choose the function you want to set. The function in setting screen is in order as circumference→sensor point→fuel gauge resistance→clock→ backinght brightness→Internal ODO display→Extenal ODO setting

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

Fuel gauge resistance











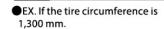


4 Entering setting screen



• In the main screen, hold for 3 seconds the Select & Adjust button to enter the setting screen.

4-1 Tire circumference setting



Press the Select button to move to the digit you want to set.



Press the Adjust button to change the

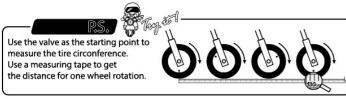


Note Setting range: 300~2500. Setting unit: 1mm

⚠ CAUTION!

• Measure the circumference of tire which the sensor will be installed and keep note of the number of sensor points.

The speed displayed on the meter will be affected by the setting. Make sure the tire size and the number of sensor point is correct before you set the value.



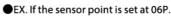


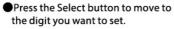
Press the Select button one time to enter the sensor point setting screen.

EX. Now the tire circumference is set from 1,000 to 1,300 mm.

4-2 Sensor point setting

setting.







Press the Adjust button to change the



Note Setting range: 01P~20P. Setting unit: 01P.



 Press the Select button once to enter the piston numbers setting screen.

●EX. The sensor point is now set from 01P to 06P.

Note The fuel gauge resistance setting

Note When Fuel Setting is set to "SW", the fuel level symbol will light up when fuel level signal wire

SW (turn off)

range: 100Ω , 250Ω , 510Ω , 1200Ω ,

connected to the negative (-) wire

4-3 Fuel gauge resistance setting ●EX. The fuel gauge need to be set to Press the Adjust button to change the

enter the odometer display screen.

4-4 Clock setting

the clock setting screen.

 100Ω to 510Ω .

●EX. Set the clock at 0:05.

Press the Select button to move to the digit you want to set.

Press the Select button once to enter

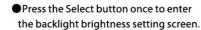
●EX. The setting has been changed from



Press the Adjust button to change



Note This is a 24 H clock.



●EX. The clock has been set from 0:00



4-5 Backlight brightness setting

●EX. Change the brightness to 3-5 (60% brightness.)

 Press the Adjust button to change the value.



Note Setting range: 1-5 (Darkest) ~ 5-5 (Brightest), 5 different levels available. Setting unit: 20% per level.

The backlight brightness will change immediately after you set the value.



Press the Select button once to

●EX. The backlight brightness has been set from 5-5 to 3-5

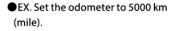
4-6 Odometer display

 Press the Select button one time to enter the external odometer setting

EX. The internal odometer display is 12500 km.



4-7 Odometer display

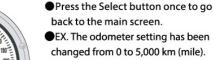


Press the Select button to move to the digit you want to set.



 Press the Adjust button to change the value.







Back to main screen



5 Trouble shooting

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

Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on.	 The power is not supplied properly to the meter. →Make sure the wiring harness is connected correctly. The wires and fuse might be broken. →The battery is too old to supply enough DC 12V power to make the meter work. 	Fuel gauge does not appear or appear incorrectly. The clock is incorrect.	 Check your fuel tank. →Is there any fuel inside the tank? Check the wiring harness. →Is the wire connected properly? Check the setting. →Refer to the manual 4-3. Did you connect the wires correctly. →Check the positive wire (Red)
The meter shows wrong information. Speed does not appear or appear incorrectly.	 Check the voltage of your battery and make sure the voltage is over DC 12V. Make sure the speed sensor is connected properly. Check the tire-size setting. →Refer to the manual 4-1 & 4-2 		connectsed to the battery, and the mair positive wire (Brown) connected to the main switch.

※If still the problem still can't be solve, Please contacy your local distributor to get assistance.

