

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

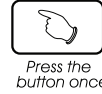
1. This meter work on DC 9~12 volts applications only.
2. For proper installation, please follow the steps described in the instruction. Any damages caused by wrong installation shall be imputed to the users.
3. Don't break or modify the wire terminals. To avoid any short circuit, do not pull the wires 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:

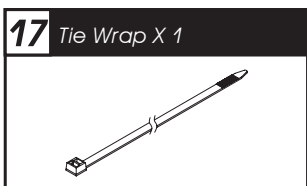
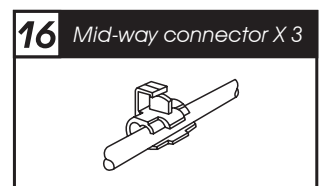
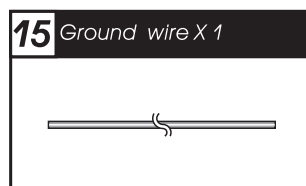
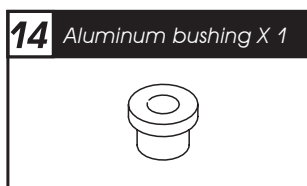
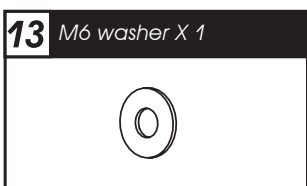
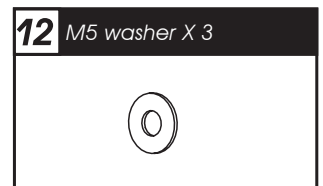
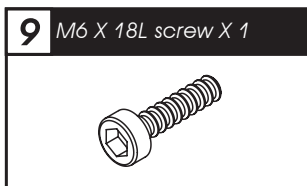
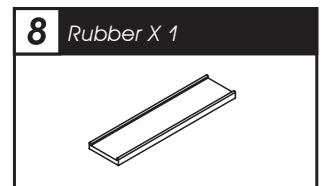
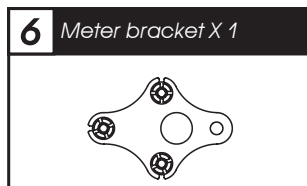
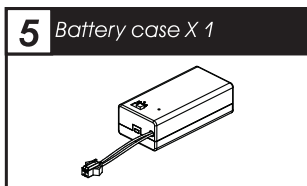
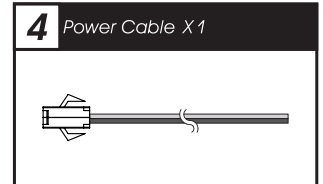
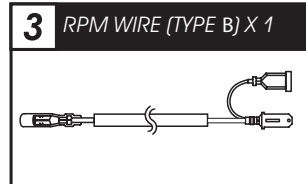
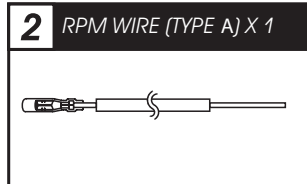
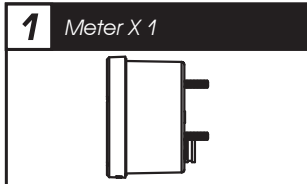
△ Some procedures must be followed to avoid damages to the instrument.

⚠ **WARNING!** Some procedures must be followed to avoid injuries to the user or others.

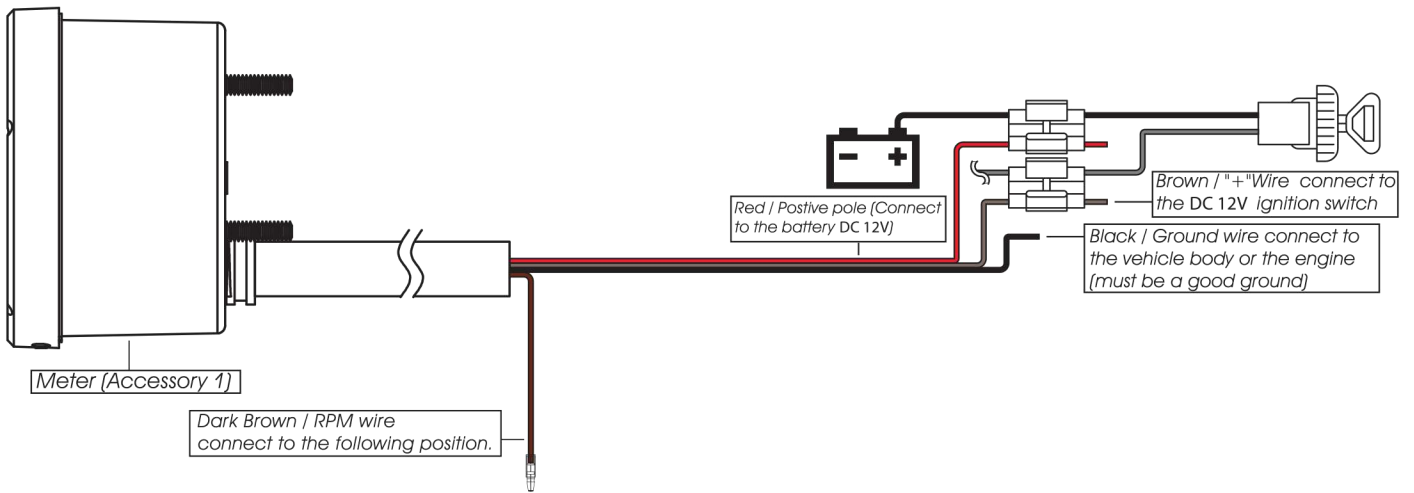
⚠ **CAUTION!** Some procedures must be followed to avoid damages to the vehicle.



1 Accessories



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



Main power switch wire reference:

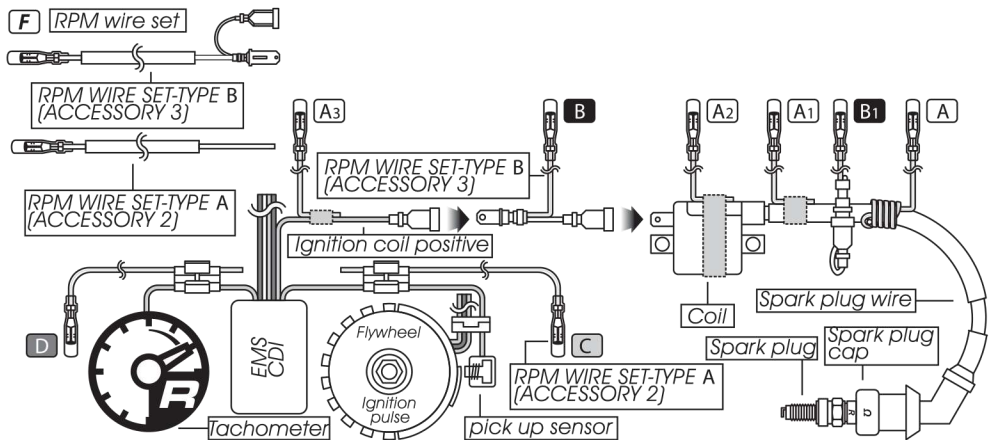
	Power	Key on	Ground
YAMAHA	Red	Brown	Black
HONDA	Red	Red / Black	Green
SUZUKI		Black	Green
KAWASAKI	White	Brown	Black / Yellow
KYMCO	Red	Black	Green
SYM	Red	Black	Green
PGO	Red / White	Orange	Black

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

RPM wire reference:

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

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

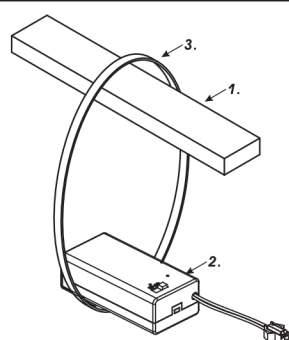


NOTE When connecting the power wire, please follow the instruction. Connecting the red & brown wires in parallel, will cause the meter to work improperly.

△ The RPM wire installation

- A. Wrap the RPM wire at least 5 times around the spark plug wire.
 - A1. Use adhesive tape to attach the RPM wire (Type A) onto the spark plug wire.
 - A2. Use adhesive tape to attach the RPM wire (Type A) on the spark plug cap.
 - A3. Use adhesive tape to attach the RPM wire (Type A) on the coil positive pole wire. For some models with the negative coil wire, tape the RPM wire (Type A) on the negative wire to get the RPM signal. (For example, the YAMAHA V-max 1200)
 - B. Connect the RPM wire (type B) to the ignition coil positive pole.
 - B1. Wrap the RPM wire (type B) on the spark plug wire by connecting the male and female connectors.
 - C. Connect the RPM wire (Type A) to the pick up sensor.
 - D. Connect in parallel the RPM wire (Type A) with the original tachometer signal wire (This method is available only when the original speedometer comes with a tachometer on it. You could get the proper RPM wire information from the bike service manual.)
 - E. For the applications with the new model of ignition coil, wrap the RPM wire (Type A) at least 5 times around the spark plug as shown on the above drawing.
 - F. Use the method mentioned above to install the RPM wire, and then connect the ground wire to the bike body or the engine (must be a good ground).
- For multi-ignition models, we will suggest you to get the signal on the first ignition.
The best signal source will be in order as D>C>B>A, we will suggest you to check different ways if you have problems to get the RPM signal.

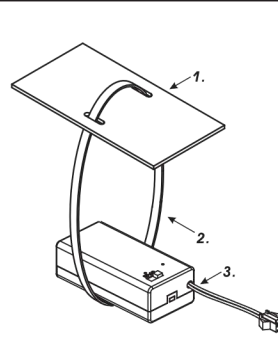
2-2 Installation of the battery case on the frame.



For proper installation, follow the steps below.

1. Find a proper location to install the battery case.
2. Install the battery case on the frame.
3. Secure the battery case using the Tie Wrap.

2-3 Installation of the battery case on the fairing.



For proper installation, follow the steps below.

1. Find a proper location to install the battery case and drill 2 holes.
2. Pass the Tie Wrap through the 2 holes.
3. Secure the battery case using the Tie Wrap.

3-1 Basic function instruction

Tachometer

- Display range: 0~10,000 RPM



Shift light

- Setting range: 0~10,000 RPM
- Setting unit: 500 RPM
- Warning: Light on, Flash

3-2 Functions

● Tachometer	Display range: 0~10,000 RPM	○ Warning	Light on Flash
○ Display internal	<0.5 second	● Effective voltage	DC 9~12 V
○ The RPM input signal number setting	Setting range 0.5, 1~6	● Effective temperature range	-10~+60°C
○ The RPM input pulse	Setting range: HI (positive wave pulse) Lo (negative wave pulse)	● Meter standard	JIS D 0203 S2
● Backlight brightness Right	Setting range: 5 different levels available. Setting unit: Each level represents 20 %	● Meter size	120 X 68.5 X 44.1 mm
○ The shift light	Setting range: 0~10,000 RPM Setting unit: 500 RPM	● Meter weight	Around 127.3 g

NOTE Design and specifications are subject to change without notice.

3-3 Main function instruction (operating mode)



- In operating mode. Press the Select button once to enter the maximum RPM recorded.



- Hold the Adjust button for 3 seconds to reset maximum RPM recorded.

3-4 Setting screen instruction



1. Piston number setting



2. Signal type setting



3. Backlight brightness setting



5. Shift light warning setting



4. Shift light setting

⚠ The screen will return automatically to the operating mode after 10 seconds if no buttons has been pressed.

NOTE In the Setting Mode, press the Select button for 3 seconds to enter the operating mode.

4 Entering setting mode



- In the Operating Mode, hold the Select & Adjust button for 3 seconds to enter the Setting Mode.

4-1 Piston number setting



- Press the Adjust button to change the value.

Note Setting range: 0.5, 1~6.

Setting value	2 Strokes Setting	4 Strokes Setting	RPM per spark
0.5	—	1 pist.	2 RPM signals per 1 spark.
1	1 pist.	2 pist.	1 RPM signal per 1 spark.
1.5	—	3 pist.	2 RPM signals per 3 sparks.
2	2 pist.	4 pist.	1 RPM signal per 2 sparks.
2.5	—	5 pist.	2 RPM signals per 5 sparks.
3	3 pist.	6 pist.	1 RPM signal per 3 sparks.
4	4 pist.	8 pist.	1 RPM signal per 4 sparks.
5	—	10 pist.	2 RPM signals per 10 sparks.
6	6 pist.	12 pist.	1 RPM signal per 6 sparks.

CAUTION! Some 4 strokes engines with one piston are igniting every 360 degree. To get the proper RPM, the setting should be the same as a 2 strokes engine with one piston.

- Press the Select button once to enter the Signal type setting.

4-2 Signal type setting



- Press the Adjust button to change the value.
1=Hi, 0=Lo

Note We define the RPM input pulse as Hi (positive pulse) & Lo (negative pulse).

Note If the RPM displayed on the meter is incorrect, choose another setting and try it again.

- Press the Select button once to enter the backlight brightness setting.

4-3 Backlight brightness setting



- 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 enter the shiftlight setting.

4-4 Shift light setting



- Press the Adjust button to change the value.

Note Setting range: 0~10,000 RPM
Setting unit: 500 RPM

- Press the Select button once to enter the shift light warning setting.

4-5 Shift light warning setting



- Press the Adjust button to change the value.

 Light on  Flash

- Press the Select button for 3 seconds to enter the Operating Mode.

