

by Acewell Meter

Thank you for your purchase.

Installation

Perform the following steps to wire the tachometer:

Red Wire

The red wire should be connected directly to your master power switch. Also referenced as 12V switched power.

Black Wire

The black wire is the ground wire and should be grounded directly to an unpainted metal surface on the engine or chassis. It is very important that you establish a good ground or the tachometer will not work. Do not hook to the master switch, coil or other ground wires.

Yellow Wire

The yellow wire picks up the RPM signal. We recommend identifying the wire on the engine/ECU that provides the signal and connecting the yellow wire to it. If the wire can't be identified or doesn't exist, the yellow wire can be wrapped around a plug wire. We recommend wrapping tightly around the plug wire 5-6 times and applying electrical tape around the wrapped wire. (the yellow wire should not be stripped when doing this).

Common Stock Tach Output Wires

-Yamaha - Yellow/Black	-Suzuki GSXR - Yellow/Blue
-05-12 Kawasaki - Light Blue	-13 & Up Kawasaki - No factory wire
-Honda - Yellow/Green	

Brown Wire

The brown wire is the units constant power supply. It allows to hold session data for extended periods. It should be connected directly to the battery or a constant power source.

Configuration

The following steps will help you get the tachometer setup for your applications.

To enter configuration mode depress the two buttons on the front of the tachometer simultaneously for 2 seconds. You will know you are in configuration mode when you see a list of items available for configuration.

The left and right buttons on the front of the tachometer to scroll up and down the list of configuration options. You will note the on screen labels of "Previous" and "Next" at the bottom of the screen.

When the desired option is selected, press and hold the right button ("Next") for two seconds. The highlighted option will begin flashing. Use the left button to toggle through the available choices for that option. Once you have selected your choice for that option, press and hold the next button for two seconds to save the option.

Continue this process as you scroll through all options required to configure the tachometer for your application.

The following items must be configured for proper operation of your new tachometer.

RPM Scale

The RPM scale can be set to match your specific application. Choices are 0-9000 rpm, 0-12000 rpm, 0-15000 rpm or 0-18000 rpm. Select the scale that best represents the rpm range of your motor.

RPM Redline

The RPM redline allows you to set a value that will cause the tachometer screen to flash when the value is met. This can either be used as a redline indicator or a shift light.

Pulses per Engine Rotation

The pulses per engine rotation must be configured correctly for the tachometer to deliver an accurate readout. If the pulses are set incorrectly, the readout will either be too high or too low. Options are 1 revolution, 1R1P (stands for 1 revolution, 1 pulse), 1R2P, 1R4P, 1R3P, 2R1P, 3R1P. If you don't know the number of pulses to revolutions on your engine, the best way to set is to bring your engine to idle and go through the pulse/revolution options until you the rpms at idle are correct. Most engine will idle between 900 - 1200 rpms.

Common Pulse Revolutions

- Yamaha, Honda, Kawasaki - 2
- Suzuki - 1

Battery Voltage Warning On

Configure the amperage value you want the battery voltage warning to come on at.

Battery Voltage Warning Off

Configure the amperage value you want the battery voltage warning to turn off at.

Temperature Units

Configure to Farneheit or Celcius

Water Temperature

Configure if you want the water temperature to display

Warning Water Temperature

Configure the value you want the water temperature to begin warning at

Temperature 2

Configure if you want the second temperature value to display

Warning Temperature 2

Configure the value you want temperature 2 to begin warning at

Display Backgrounds

Configure the display background you would like to use. Choices are Orange, Blue, or Black.

Save and Exit

to Save your changes, move to the line that says Save and Exit. Press and hold the right button until the display returns to normal operating mode. Your changes have now been saved.



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FOZ 8050

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DIGITAL TACHOMETER INSTRUCTIONS
(continued)

Tachometer will turn on automatically when power is flowing to the unit.

Pushing the right hand button will change the display to the Session Data screen.

The Session Data screen must be reset before each session for new data to be recorded. This can be accomplished by holding down the left hand button down for 2 seconds while in the Session Data screen.

Helpful Hints

If the tachometer is erratic (i.e. RPM values are jumping around), use the included 1 ohm resistor. The resistor should be placed inline on the yellow tach drive wire. Snip the yellow wire somewhere near the end and solder the resistor into the yellow wire. This will not be required for most applications, but will be helpful in cases where the tachometer values are erratic.



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