Part Number M9250

Digital Performance Speedo/Tach Combo

Thank you for purchasing this Intellitronix speedometer. If you have any questions about this product, please contact us directly at 440-210-7646 support@intellitronix.com and not the distributor you purchased it from.

Instructions

This electronic speedometer/tachometer displays your speed and rpm reading. It also includes an odometer, trip meter, high speed recall, 0-60 time and ¼ mile elapsed time (ET). It can also be calibrated with the push of a button to adjust the gauge for different tire sizes, wheel sizes and gear ratios. The odometer and trip odometer can switch back and forth by gently tapping the push button. While in Trip mode, if you press and "HOLD" the button, the trip meter will reset to zero. In odometer mode, if you press and "HOLD" the button, the performance data will then be displayed, in addition to "CAL" mode which will allow you to again "TAP" to reprogram the pulses per mile stored info.

WIRING INSTRUCTIONS

This speedometer requires a pulse generating electronic speed sensor or a transmission with an electronic output. If a cable drives the current speedometer in your vehicle, please order our electronic sensor, part number S9013 for GM and universal applications or part number S9024 for Ford transmissions. In order to isolate the signal wire from electrical noise interference, we recommend that you use a shielded cable to connect the speedometer to the sensor. Be sure to run the cable as far away as possible from the ignition system and any power wires to electric fuel pumps, motors, blowers, etc., particularly spark plug wires. For best results, we also recommend the use of resistor-type spark plugs and spark plug wires that are in good condition.

Connect the **BLACK** ground wire directly to the engine block.

Connect the **RED** wire to a switched +12 volt source (ignition switch).

Connect the **PURPLE** wire to the headlight switch to dim the LEDs 50% when the headlights are on. However, do not connect to the headlight rheostat control wire; the dimming feature will not work properly.

Connect the **WHITE** wire to the output of your transmission or the speedometer sending unit. Connect the other speedometer sending unit wire to ground, preferably to the same exact location as the gauge ground.

Connect the **GREEN** wire from the tachometer to the negative terminal of your coil or a direct tach output lead from your distributor or electronic control module. If you are using an aftermarket capacitive discharge ignition system, such as an MSD, you must use the designated "tach output" connection on the electronic box. Do not make any connections directly to the coil with this type of system.
The tachometer is initially calibrated for use with 8 cylinder engines. If you are using it with a 4 or 6 cylinder engines, you must recalibrate the tach for your specific application by pushing the selector button in accordance with the programming modes below.

Modes

By pushing the selector button in accordance with chart below you can set the S/T combo for various modes and programming functions.

Push	Mode
Once	Tach /Speed Combo
Twice	Speed and Trip Odometer
Three	Speed and Odometer

After installing your speedometer according to the wiring instructions, with the ignition on, the speedometer will be in Speedometer only mode. The speedometer leaves our factory with a pre-set calibration of 8000 pulses per mile, which is a broad industry standard, you may recalibrate the gauge for your specific application. To accomplish this, locate a measured mile where you can safely start and stop your vehicle. By running the vehicle over this measured distance, the speedometer will learn the number of pulses output by the speedometer sensor during a specific measured distance. It will then use this acquired data to calibrate itself for accurate reading.

When in speedometer only mode press in and hold selector switch until it starts to run through the below functions. The chart below shows what each display mode is and how to utilize that function.

Display	Function
Hi Spd	Displays Highest speed reached
0-60	Displays time to go from 0 to 60 MPH
¼	Displays Time over ¼ mile distance
8 Cylinder	Sets cylinder selection
Odo	Sets odometer display
Cal	Calibrates Speedometer

While "CAL" is being displayed, press the pushbutton briefly one time. This will put the speedometer in Program Mode. It is very important that you drive to the end of the measured mile and tap the button again. **WARNING:** If while in "CAL" mode you do not move at all and press the button again, the microprocessor will NOT have received

any data whatsoever and the unit will need to be sent back to the factory for reprogramming. At a minimum, drive some distance and you can always go back and start again if need be.

If you miss stopping the display at "CAL", simply repeat the steps. With "CAL" displayed, the speedometer is now waiting to record the pulse count data accumulated over the measured mile.

When you are ready to begin driving, press the pushbutton once. The odometer will display the incoming pulse count. Drive the vehicle through the measured mile (speed is not important). As you move, the odometer will begin showing the speedometer pulses as they are being counted.

At the end of the mile, stop and press the pushbutton again. The odometer will now display the number of speedometer pulses that were registered over the distance.

TROUBLESHOOTING

Ensure all connections are solid and, using a multi-meter, confirm that the RED wire is receiving 12 volts. For technical questions, please call our help line - 440-210-7646, 9am-5pm EST

Thank You,

Intellitronix Corp.