



Part Number M9222

Digital Performance Speedometer

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 displays your speed and 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 be switched 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.

CALIBRATION

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. There is a small recall pushbutton in the right hand corner of the gauge face used to calibrate and read all of the data stored in the speedometer.

After installing your speedometer according to the wiring instructions, with the ignition on, the speedometer will be in MPH mode .

While stopped at the beginning of the measured mile with your vehicle running and in odometer mode and not trip mode, press and hold the pushbutton until the odometer

displays "HI-SP" .On its own, the gauge will cycle through the recorded performance data in the following order: "0-60," "1/4," and "CAL."

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. 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.

Trip Distance

A single press of the recall button will activate the trip meter in the odometer display. A decimal point will appear to indicate that you are in trip meter mode. Holding the recall button down for 3 seconds will clear the trip distance. To return to the default odometer display, press the recall button again. The decimal point will disappear to indicate that you are back in the default odometer display.

Recording and Viewing Performance Data

Follow these steps to record and recall Performance Data (high speed, ¼ mile ET and 0-60 time):

1. Before each run your car must be at a complete stop at the starting position. Press and hold the pushbutton as it cycles through the performance data. At the end, the odometer will say "RESET" and all performance data will be cleared from memory. This will not affect your stored calibration value or the odometer reading.
2. Now press the pushbutton until "HI-SP" is displayed. On its own, the gauge will cycle through the performance data that it records in the following order "0-60", "1/4", "CAL".
3. Start the run, pass, session, etc.
4. When finished, repeat Step 2 to view the data gathered from this run. While stopped, you can view this data as many times as you wish. However, once it finishes scrolling one time, the memory is ready to record new data for the ¼ mile and 0-60 mph times and will begin recording again once the vehicle starts moving. The highest speed measured over multiple runs will be retained in memory.

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.