# Measuring your ECT-2 Sensor Voltage

While many Honda cars are compatible with the ECT-2 Module we recommend you verify your car's sensor voltage is in the correct range. This is a fairly simple test but you need a digital volt meter. Just about any digital meter will do, even the $10 ones at Harbor Freight. The hardest part of this test is getting the meter probes to make a good connection with the sensor terminals, so once you get that worked out the rest is simple.

**Preparation** - You can use an inexpensive digital meter for this test, set to a scale for measuring about 1-2 volts DC. You can measure the sensor voltage at the sensor itself or at the ECU where the sensor connects. If measuring at the sensor you may need to use a paper clip or other thin probe to get a good connection to the sensor wires so get that part set up before starting the test. You don't need to constantly monitor the voltage, just get one good reading after the car is fully warmed up.

1. Fully warm up the engine. If starting up cold you should run it until the radiator fan turns on and back off again.

2. Measure the voltage at the ECT sensor or at the ECU. It is OK to shut off the engine to take the measurement but be sure to turn the ignition back on and don't take too long to get your reading. If the sensor voltage is between 0.50 volts and 0.60 volts the ECT-2 Civic Module will work in your car.
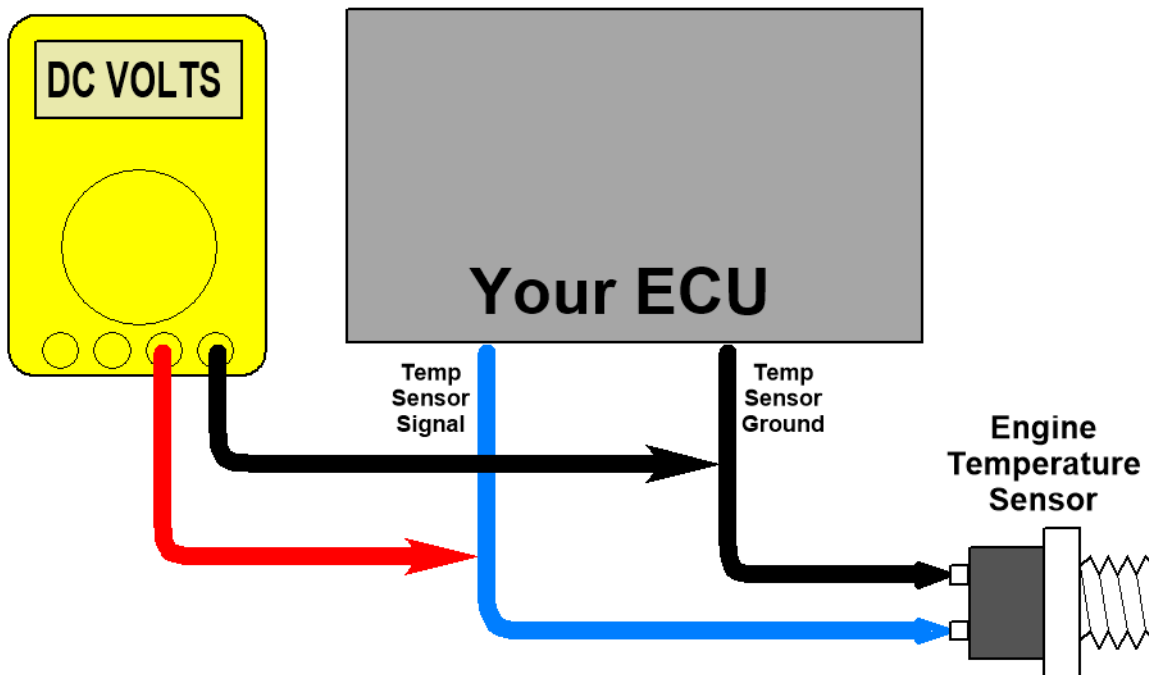


**Note** - This test ASSUMES your car is operating within its normal temperature range and is not overheating. If a problem exists that causes the "fan cycle" to occur at an unusual temperature, then the meter readings you take will be incorrect. This could happen if you have a malfunctioning thermostat, fan switch, or radiator, or if these parts are not the correct ones for your vehicle. *If the ECT module is re-program based on incorrect meter readings then your temp gauge will indicate "normal" when the engine is not really in its normal temperature range.* Make sure your engine is operating normally when you take these readings.