



Programming Checklist:

Q: Temperature Sensor

- Build a quarter Wheatstone bridge with a thermal resistor being the variable part as shown. Supply the bridge with a 9V battery.
- Read the bridge voltage when the thermal resistor is at room temperature (assume it is 25°C).
- Hold the resistor with your fingers and observe the change in the voltage until it becomes steady. This should correspond to 37°C.
- Make a linear fitting curve and adjust the voltage reading in the simulator to produce direct temperature values in °C.

<i>DAQ USB Connection to PC</i>	
<i>Building the Circuit</i>	
<i>DAQ correct Input Channel</i>	
<i>DAQ Assist Configuration</i>	
<i>Meter Indicator</i>	
<i>Linear Fitting Equations</i>	
<i>LabVIEW Math VIs</i>	
<i>Meter Indicator</i>	
<i>Running Code Readout</i>	