**READING TWO TEMPERATURE SENSORS WITH AN ARDUINO**

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SKETCH

int Pin0 = A0; //analog pin 0

int Pin1 = A1; //analog pin 1

void setup()

{

Serial.begin(9600);

}

//main loop

void loop()

{

int V\_Pin0= analogRead(Pin0);

float millivolts= (V\_Pin0/1024.0) \* 5000;

float kelvin= (millivolts/10);

float celsius= kelvin - 273.15;

Serial.print("Sensor0 ");

Serial.print(celsius);

Serial.print(" C");

Serial.print(" ");

int V\_Pin1= analogRead(Pin1);

float millivolts2= (V\_Pin1/1024.0) \* 5000;

float kelvin2= (millivolts2/10);

float celsius2= kelvin2 - 273.15;

Serial.print("Sensor1 ");

Serial.print(celsius2);

Serial.println(" C");

delay(3000);

}

