
```
//will use this to test power soruce and resistor needed to read 5 temp probes.
//ver-1.01-R
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#include <OneWire.h>
#include <DallasTemperature.h>

// Data wire is plugged into pin 3 on the Arduino
#define ONE_WIRE_BUS 8

// Setup a oneWire instance to communicate with any OneWire devices
OneWire oneWire(ONE_WIRE_BUS);

// Pass our oneWire reference to Dallas Temperature.
DallasTemperature sensors(&oneWire);

// Assign the addresses of your 1-Wire temp sensors.
// See the tutorial on how to obtain these addresses:
// http://www.hacktronics.com/Tutorials/arduino-1-wire-address-finder.html


DeviceAddress Probe010 = { 0x28, 0xD4, 0x81, 0x31, 0x03, 0x00, 0x00, 0x23 };
DeviceAddress Probe011 = { 0x28, 0x4F, 0x6B, 0x31, 0x03, 0x00, 0x00, 0xF2 };

void setup(void)
{
  // start serial port
  Serial.begin(9600);
  // Start up the library
  sensors.begin();
  // set the resolution to 10 bit (good enough?)

  sensors.setResolution(Probe010, 10);
  sensors.setResolution(Probe011, 10);
}
```

```
void printTemperature(DeviceAddress deviceAddress)
{
  float tempC = sensors.getTempC(deviceAddress);
  if (tempC == -127.00) {
    Serial.print("Error getting temperature");
  } else {
    Serial.print("C: ");
    Serial.print(tempC);
    Serial.print(" F: ");
    Serial.print(DallasTemperature::toFahrenheit(tempC));
  }
}

void loop(void)
{
  delay(2000);
  Serial.print("Getting temperatures...\n\r");
  sensors.requestTemperatures();


  Serial.print("Probe 010 temperature is: ");
  printTemperature(Probe010);
  Serial.print("\n\r");
  Serial.print("Probe 011 temperature is: ");
  printTemperature(Probe011);
  Serial.print("\n\r");

}
```

Done Saving