

Analog temperature

Overview



This experiment is to read the value of the thermistor.

Specification

Model: MF52-103

Insulation Material: Ceramic

Color: Black

Rated Power: 0.05W

Resistance Value: 10k

Resistance Tolerance: H ($\pm 3\%$)

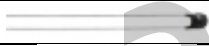





B Value: 3950K

Pin Pitch: 1.5mm / 0.059"

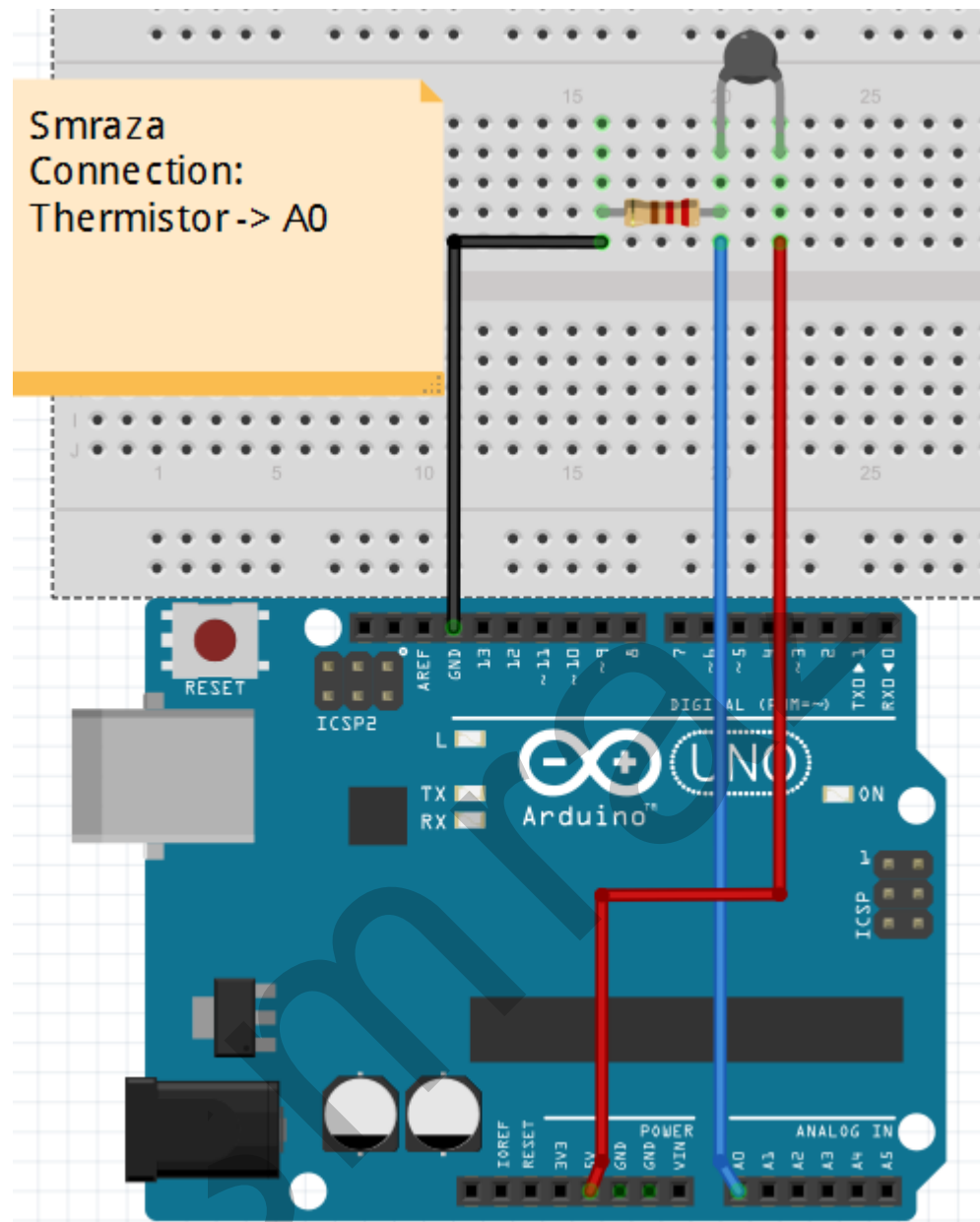
Pin definition

Thermistor: Pin non polarity.

Hardware required

Material diagram	Material name	Number
	Thermistor	1
	10KΩ resistor	1
	USB Cable	1
	UNO R3	1
	Breadboard	1
	Jumper wires	Several

Connection diagram



Note: Thermistor's pin does not distinguish between positive and negative poles.

Sample code

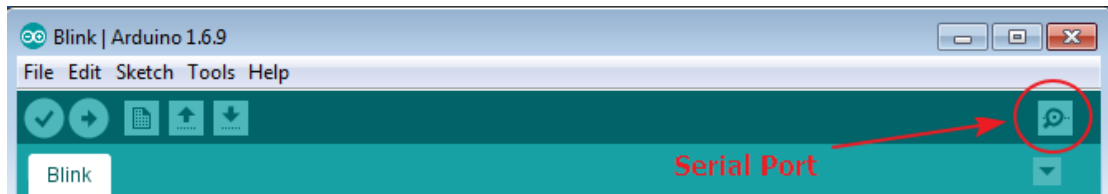
Note : sample code under the **Sample code** folder

```
void setup()
{
    Serial.begin(9600);    //Set serial baud rate to 9600 bps
}
void loop()
{

```

V1.0

```
int val;  
val=analogRead(0);      //Read value from analog 0  
  
Serial.print("Val=");  
Serial.println(val,DEC); //Print the value to serial port  
delay(200);  
}  
/*Tips: Open the serial port.
```



Language reference

[serial](#)

serial.begin -> [.\(dot\)](#)

[DEC](#)

Application effect

After uploading the program, open the serial port monitor, you will see a series of temperature values