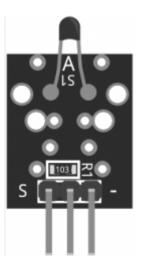
Analog Temperature Sensor module

Analog Temperature Sensor module measures ambient temperature based on resistance of the thermistor.

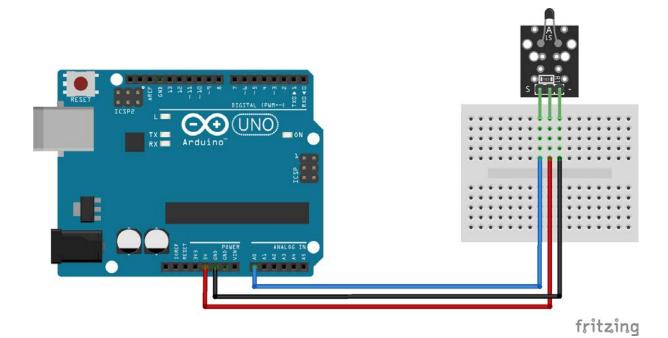
The Sensor module consists of a NTC thermistor and a 10 k Ω resistor. The resistance of the thermistor varies with surrounding temperature. We'll use the Steinhart–Hart equation to derive precise temperature of the thermistor.



Operating Voltage	5V
Temperature	-55°C to 125°C [-67°F to 257°F]
Accuracy	±0.5°C

Pinout and Connection to Arduino

Connect board's power line (middle) and ground (-) to 5V and GND respectively. Connect signal (S) to pin A0 on the Arduino.



Arduino Example Sketch

The following Arduino Sketch will derive the temperature of the thermistor using the <u>Steinhart-Hart</u> equation implemented in the function Thermister.