



Part Number: SEN0198

Description: Gravity: Analog High Temperature Sensor

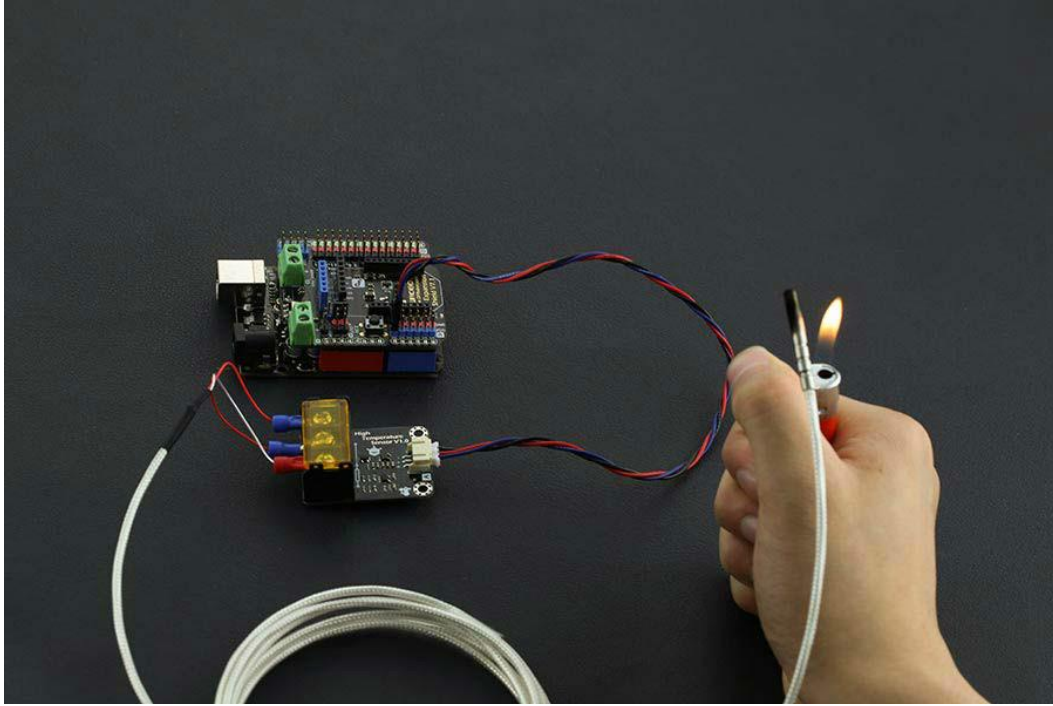
## INTRODUCTION

What sensor should you use when you need to measure temperature? Most people will think of a DS18B20 [temperature sensor](#) first, but this sensor is only capable of measuring temperatures up to 125C. In order to measure temperatures greater than 100C you will need something with a greater temperature range and resistance. This is the sensor you need! We have used a PT100 resistance type high temperature probe which is often used in industrial applications. Using this probe you can measure a temperature range between 30-350C. The module itself is compatible 3.3V-5.5V supply, so Arduino, STM32 and other microcontrollers are compatible.



## FEATURES

- Supports 3-Pin "Gravity" interface
- Analog output



## ***SPECIFICATION***

### 1.Module

- Operating voltage: 3.3V-5.5V
- Analog output voltage: 0.2V-2.8V
- Working temperature range: 30-350C
- Relative Error:  $\pm 2\%$  F.S.
- Interface: PH2.0-3P
- Size: 42 \* 32 \* 18 mm/ 1.65 \* 1.26 \* 0.7 inches
- Waterproof: No

### 2.PT100 Probe

- Probe Working temperature: -20-400C
- Sheathing Tolerance: up to 200
- Length: 2m
- Precision: 0.5C
- Waterproof: Yes

## ***SHIPPING LIST***

- Analog High Temperature Sensor Module x1
- PT100 Probe x1
- Analog Sensor Cable x1