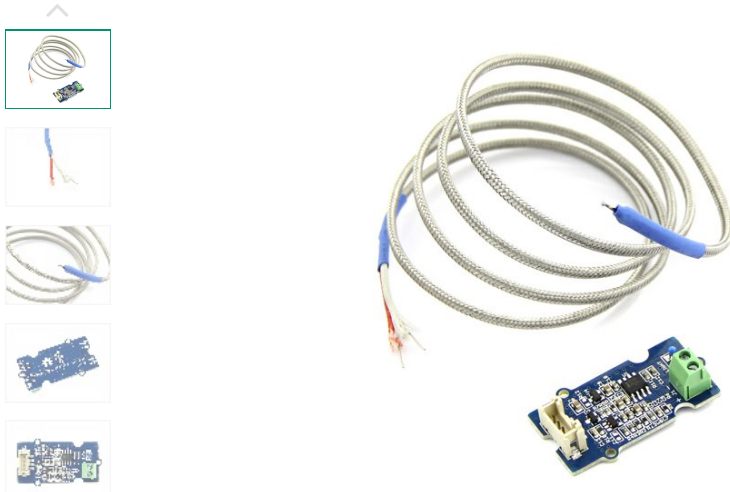




Grove - High Temperature Sensor

SKU 111020002



IN STOCK 23 Available

1

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Description

Best-sellers

Technical Details

Questions and Answers

View History

Description

Thermocouples are very sensitive, requiring a good amplifier with a cold - compensation reference. The Grove - Temperature Sensor USES a K type thermocouple Temperature detection, with a Thermistor to detect The ambient Temperature as Temperature compensation. The detectable range of this Sensor is -50-600°C , and The accuracy is $\pm(2.0\% + 2^{\circ}\text{C})$

Specifications

Voltage: 3.3 ~ 5V

Max power rating at 25°C :300mW

Operating temperature range:-40 ~ +125 °C

The temperature measurement range is (-50 ~ +600°C)

Amplifier output voltage range (0 ~ 3.3 V) mv

Cold junction compensation (environment temperature measurement)

Thermocouple temperature measurement accuracy of + / - 2.0% (+ 2 °C)

Package Include:

Grove - High Temperature Sensor x1

Thermocouple Temperature Sensor x1

24AWG Grove Cable - 4P-4P-2.0-200mm x1



Grove - High Temperature Sensor



Thermocouple Temperature Sensor



Grove - 20cm Cable

Documents

[Wiki](#)

[Grove - High Temperature Sensor PDF](#)

[Grove - High Temperature Sensor Eagle File](#)

[High Temperature Sensor Library](#)

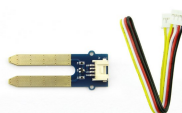
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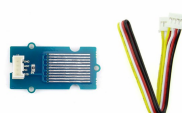
Grove - Relay



Base Shield V2



Grove - Moisture Sensor



Grove - Water Sensor

Dimensions	110mm x 85mm x 12.5mm
Weight	G.W 24g
Battery	Exclude

Questions and Answers

Have a question about this? Ask people who own it.



0

Hello. Thermocouple is made with asbestos or glass fiber?

dlame1082 on May 25,2017

 Reply |  upvote (0)



0

Hello, the Lib is not correct working. The temperature value is at 22°C ambiente 59?! I have tested with 5V and 3.3V. By 3.3V is the value 114. Please Help!

on Oct 19,2016

 Reply |  upvote (0)

Dear Daoud.5V is ok.And you can connect it to digital pin-13.

Jacket Chen on Oct 20,2016 10:43 AM

 Reply |  upvote (0)



0

Can you change the thermocouple to detect a higher temp, say +1200C?

atos on Oct 19,2016

 Reply |  upvote (0)



0

Hello, can you please tell me how to connect this sensor to arduino ? is it an I2C or not ? if so what is his address ? it's not clear on the WIKI

Frederic BORIE on Oct 19,2016

 Reply |  upvote (0)



1

hello ; how i do if i had 2 identic high temp sensor ? how i get the adress of i2c; i2c scanning d'ont work - have good day

lorric on Oct 19,2016

 Reply |  upvote (1)



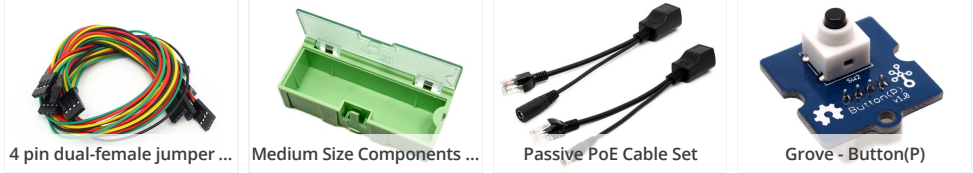
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What is the practical maximum length of the cable with and without R45 extension?

Björn Pålsson on Oct 19,2016

 Reply |  upvote (0)

View History



4 pin dual-female jumper ...

Medium Size Components ...

Passive PoE Cable Set

Grove - Button(P)

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