

Grove - High Temperature Sensor

SKU 111020002

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 $-50-600^{\circ}\text{C}$, 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 : $-40 \sim +125^{\circ}\text{C}$
- The temperature measurement range is $(-50 \sim +600^{\circ}\text{C})$
- 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

Technical details

Dimensions	110mm x85mm x12.5mm
Weight	G.W 30g
Battery	Exclude

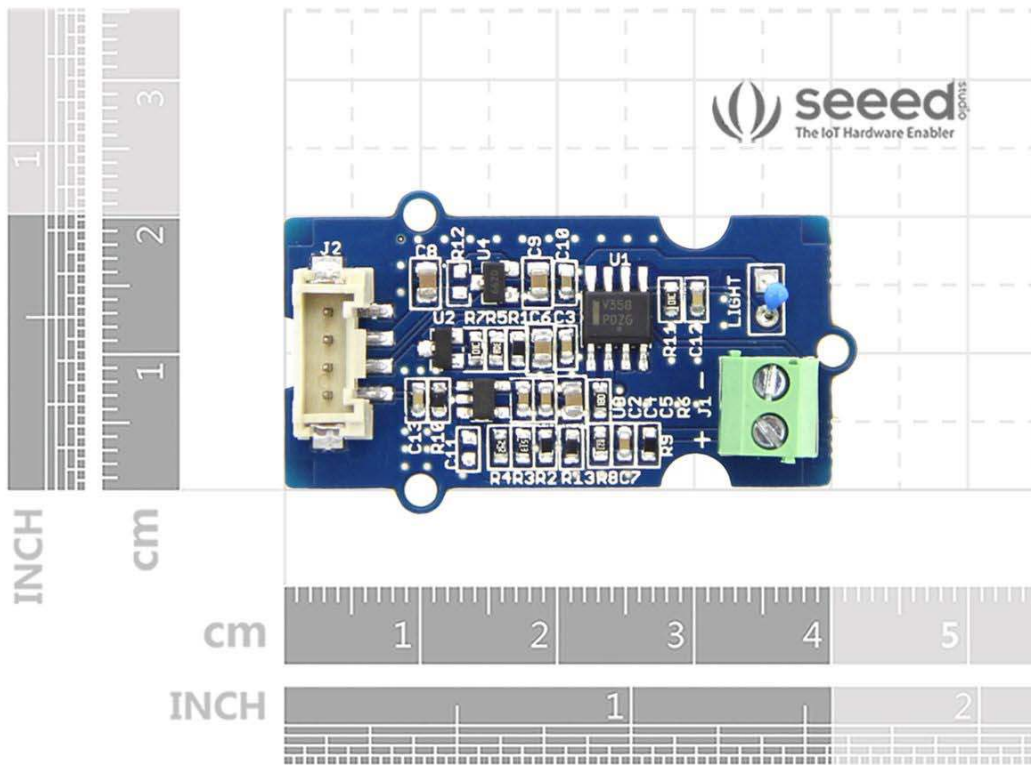
Part List

Grove - High Temperature Sensor	1
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ECCN/HTS

ECCN	EAR99
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HSCODE	9025900090
USHSCODE	90230000
UPC	841454108245
ROHS	1



<https://www.seeedstudio.com/Grove-High-Temperature-Sensor.html/6-14-19>