



## Grove - Temperature Sensor

SKU 101020015

Grove - Temperature Sensor uses a thermistor to measure ambient temperature. The resistance of thermistor changes based on ambient temperature. This resistance value alters the output of a voltage divider which is measured by an analog input pin and converted to a temperature value. The operating range is  $-40$  to  $125^{\circ}\text{C}$ , with an accuracy of  $1.5^{\circ}\text{C}$ .

For all Grove users (especially beginners), we provide you guidance PDF documents. Please download and read through Preface - Getting Started and Introduction to Grove before your using of the product.

## Technical Details

Dimensions	24mm x 20mm x 9.80mm
Weight	G.W 8g
Battery	Exclude
Operating voltage	3.3~5V
Thermistor Zero power resistance	100 K $\Omega$
Resistance Tolerance	$\pm 1\%$
Thermistor	NCP18WF104F03RC (NTC)
Nominal B-Constant	4250 ~ 4299K
Operating temperature range	-40°C to 125°C
Accuracy	$\pm 1.5^\circ\text{C}$

## Part List

Grove - Temperature Sensor	1
Grove Cable	1

## ECCN/HTS

ECCN	EAR99
HSCODE	9025900090

### Certification

RoHS

Compliant



