

Temperature Phidget



For when you need a temperature sensor, pure and simple: This Temperature Phidget can measure the ambient temperature of the surrounding air from -40°C to 85°C, perfect for home or outdoor use. Simply plug it into a port on your **VINT Hub** and with a single command you can read the current temperature in degrees Celsius (See the “Compatible Products” tab for a list of VINT Hubs). If the temperature rises above 85°C or falls below -40°C, the API will fire a saturation error to notify that the measured temperature is out of range.

Product Specifications

Sensor Properties

Controlled By	VINT
Sensor Type	Temperature (Ambient)

Temperature Sensor

Ambient Temperature Min	-40 °C
Ambient Temperature Max	85 °C
Temperature Resolution	0.063 °C
Temperature Error Typical (At 25°C)	± 0.25 °C
Temperature Error Max	± 1 °C
Sampling Interval Max	60 s/sample
Sampling Interval Min	500 ms/sample

Electrical Properties

Current Consumption Max	150 mA
Current Consumption Min	20 mA

Physical Properties

Operating Temperature Min	-40 °C
Operating Temperature Max	85 °C

