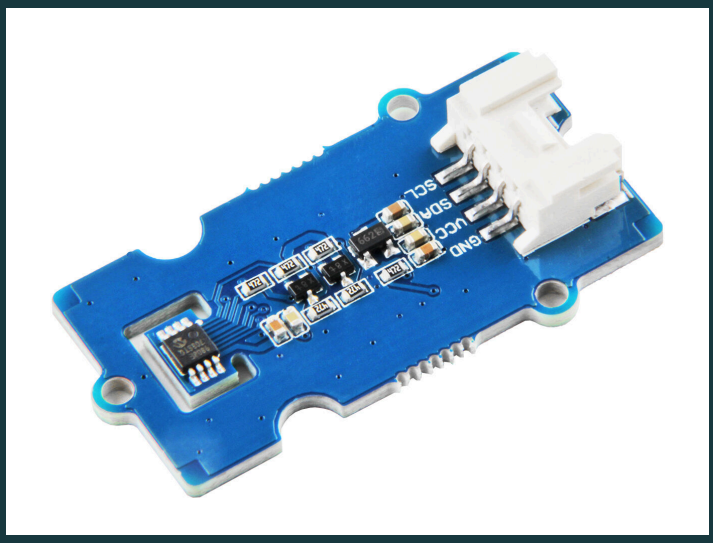
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INDUSTRIAL PRODUCT DATASHEET

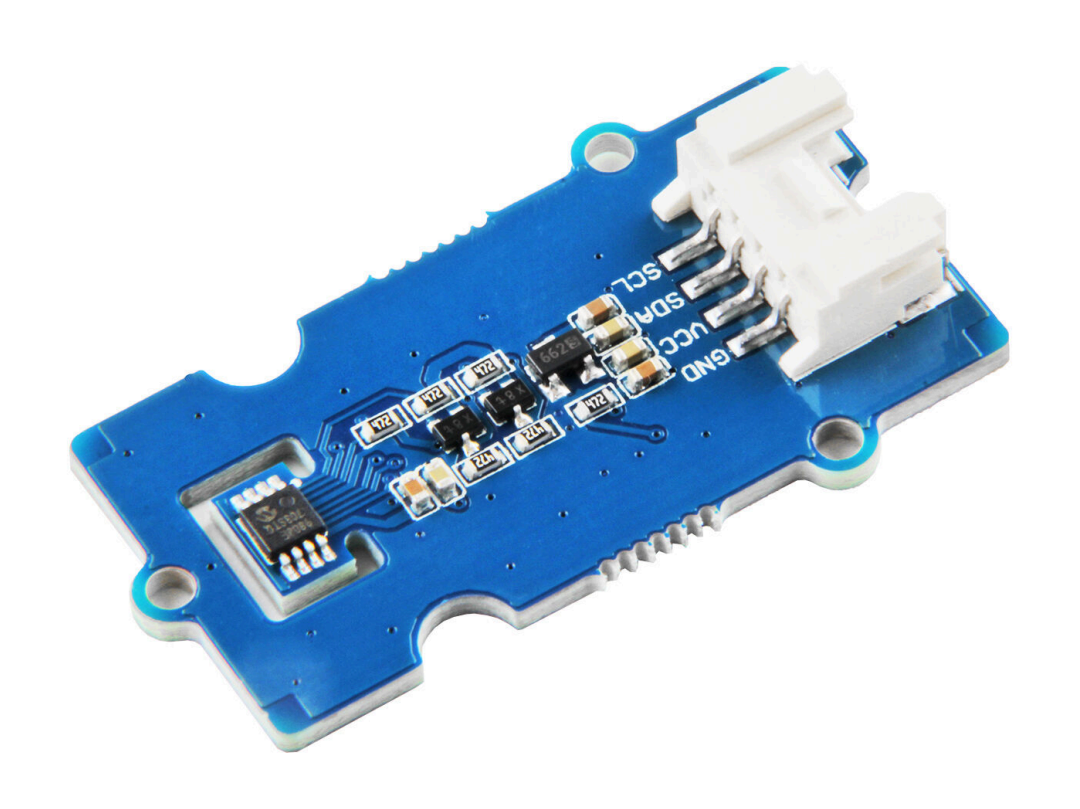
Grove - I2C High Accuracy Temperature Sensor - MCP9808

The Grove - I2C High Accuracy Temperature Sensor(MCP9808) is a high accuracy digital module based on MCP9808.

SKU	UPDATED	PRICE
101020556	2026-11-11 08:02:17	$5.20(Excl. VAT)



Overview



The Grove - I2C High Accuracy Temperature Sensor(MCP9808) is a high accuracy digital module based on MCP9808. Integrated with Microchip MCP9808 temperature sensor, it provides high accuracy & a wide range of temperature measurements from -40°C to +125°C. Unlike other sensors, you can choose the measurement resolution of this sensor, providing high flexibility for your temperature sensing applications.

Key Features

01 **High accuracy & wide range of temperature measurement**

±0.5°C (maximum) from -20°C to 100°C

02 **User-selectable measurement resolution**

Available with the accuracy of +0.5°C, +0.25°C, +0.125°C, and +0.0625°C provide flexibility for your temperature sensing applications.

03 **User-programmable registers**

allow for user-selectable settings (E.g. Low-power or Shutdown modes)

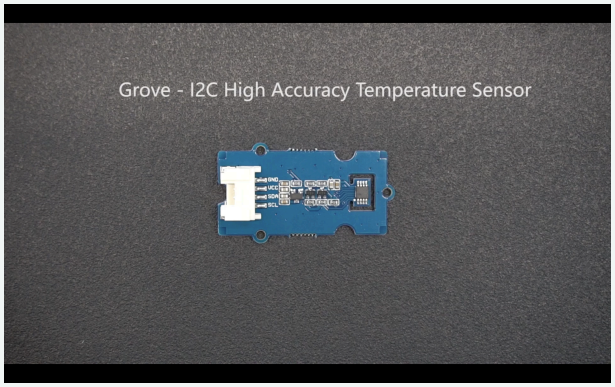
04 **Simple Reads**

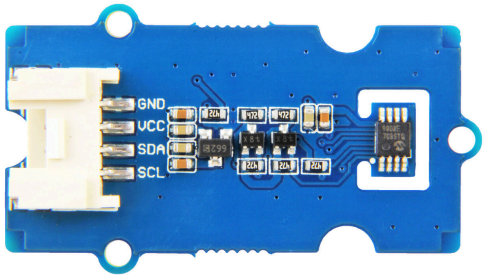
Easily convert the temperature data to digital for easy microcontroller readings

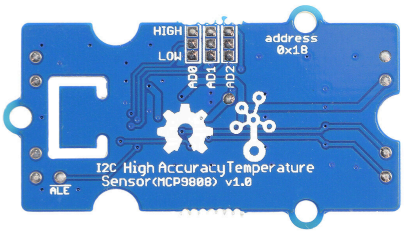
05 **Grove compatible interface**

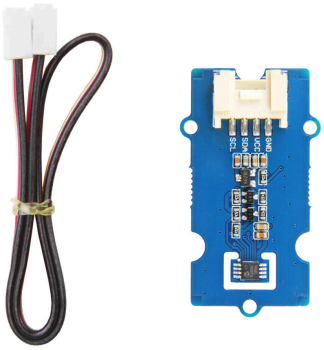
The product ensures "Plug and Play" and could be versatile for various applications of Grove

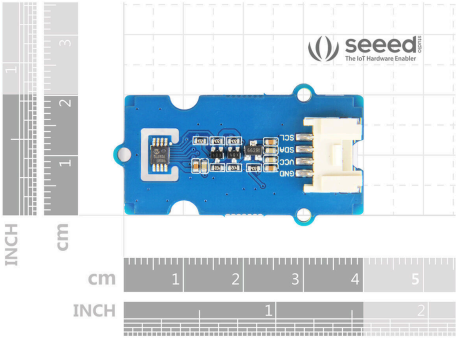
Product Gallery











Resource Links

- https://www.seeedstudio.com/Grove-I2C-High-Accuracy-Temperature-Sensor-MCP9808.html
- Grove - I2C High Accuracy Temperature Sensor(MCP9808) Eagle files
- Seeed MCP9808 Library
- Datasheet of MCP9808
- Datasheet of 2N7002A
- AN10441

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