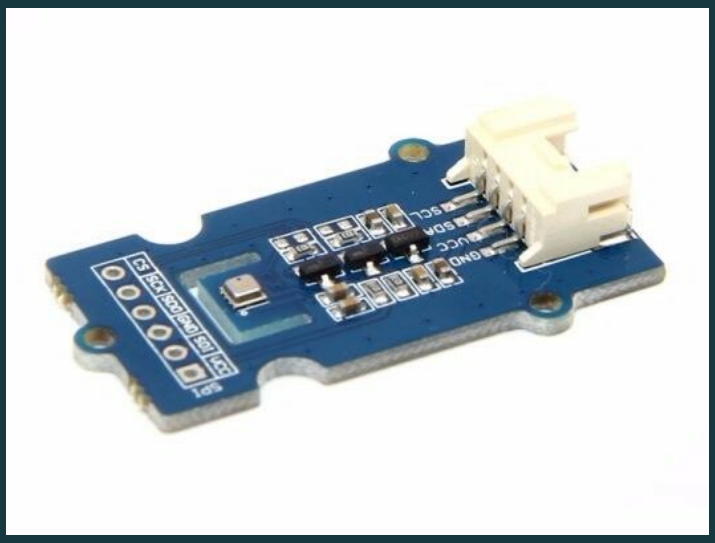
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INDUSTRIAL PRODUCT DATASHEET

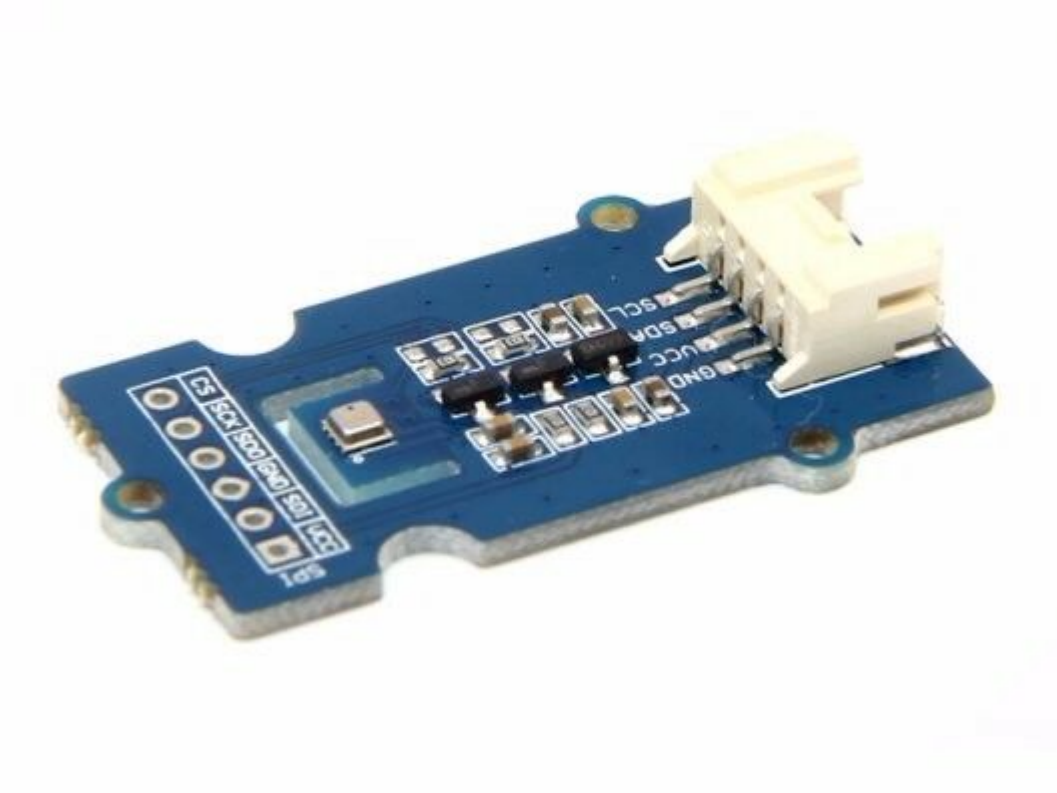
Grove - Temp&Humi&Barometer Sensor (BME280)

Grove - Temp&Humi&Barometer Sensor (BME280) is a breakout board for Bosch BMP280, a high-precision, low-power combined humidity, pressure, and temperature sensor.

SKU	UPDATED	PRICE
101020193	2026-11-11 07:44:41	$18.70(Excl. VAT)



Overview



Grove - Temp&Humi&Barometer Sensor (BME280) is a breakout board for Bosch BMP280, a high-precision, low-power combined humidity, pressure, and temperature sensor.

Key Features

01 **High-performance environmental detection**

With the help of BME280 module, it can simultaneously detect temperature and humidity, air pressure, to achieve a stronger detection effect.

02 **Robust measurement range**

The sensor can operate normally from -40 to 85 degrees Celsius. And atmospheric pressure sensor measurement range is from 300 to 1100 hPa.

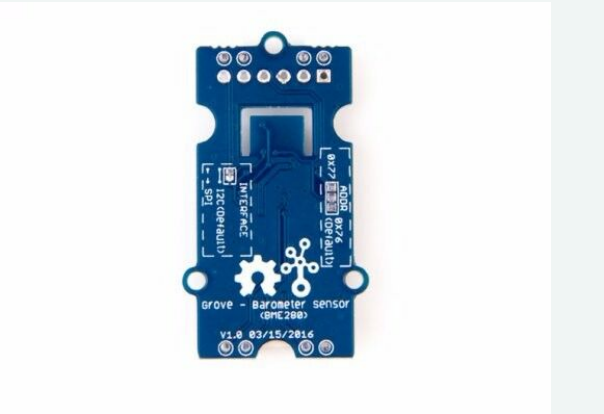
03 **Higher measurement accuracy**

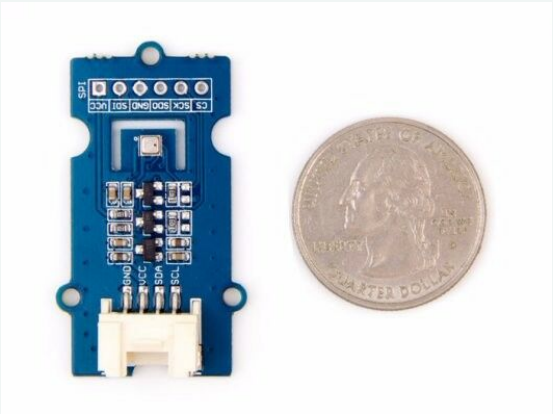
Only ±1.0°C error when measuring temperature, measure humidity with ±3% accuracy and measure atmospheric pressure with ±1.0 hPa accuracy.

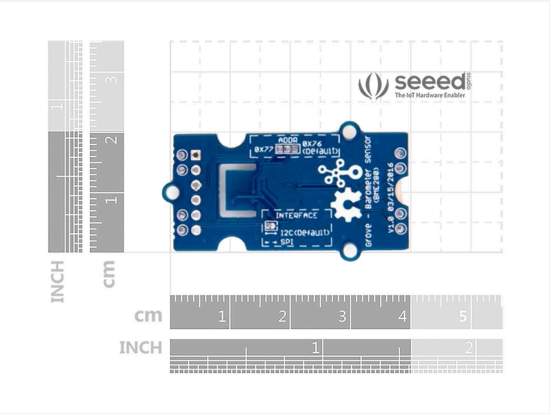
04 **Grove unified socket**

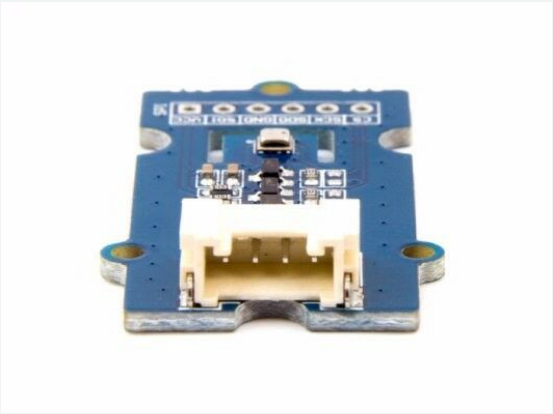
The sensor ensures "Plug and Play" and could be versatile for various applications.

Product Gallery











Applications

- Enhancement of GPS navigation
- Outdoor/indoor navigation
- Weather forecast
- Home automation and control
- IoT device
- Barometer

Resource Links

- https://www.seeedstudio.com/Grove-BME280-Environmental-Sensor-Temperature-Humidity-Barometer.html
- Grove-Barometer_Sensor-BME280-v1.0_Schematics
- BME280 Datasheet
- Grove_BME280 Library
- I2C how-to for Arduino

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