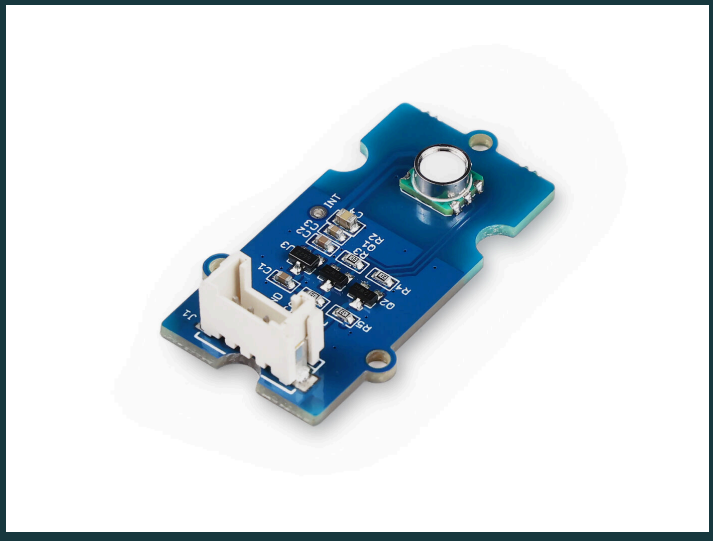
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INDUSTRIAL PRODUCT DATASHEET

Grove - Barometer Sensor(High-Accuracy): Measuring Barometric Pressure, Altimeter, and Temperature

The Grove - Barometer Sensor(High-Accuracy) delivers three-in-one barometric pressure, altimeter, and temperature measurement with a wide 300mbar to 1200mbar range, 0.1-meter altitude resolution, and I2C/Grove connectivity for...

SKU	UPDATED	PRICE
101020068	2026-11-03 03:59:29	$21.90(Excl. VAT)



Overview



The Grove - Barometer Sensor(High-Accuracy) measures barometric pressure, altimeter, and temperature with a wide pressure range from 300mbar to 1200mbar and altitude resolution down to 0.1 meter. It features a digital two-wire (I2C) interface and a Grove 4-pin connector for plug-and-play use with mainstream hardware platforms such as Arduino, Raspberry Pi, and Micro:bit.

Key Features

01 **Three-in-one measurement**

Barometric pressure, altimeter, and temperature measurement included that measures the pressure and the temperature by an internal 24-bit ADC and compensates them by a patented algorithm

02 **Wide barometric pressure range**

Pressure measurements range from 300mbar~1200mbar

03 **High-accuracy**

Altitude resolution down to 0.1 meter

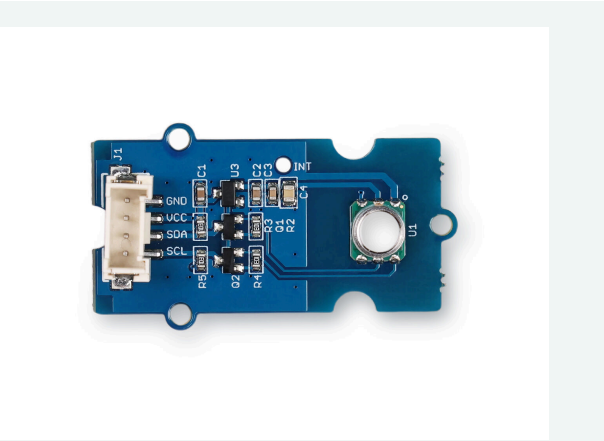
04 **Digital two-wire (I2C) interface**

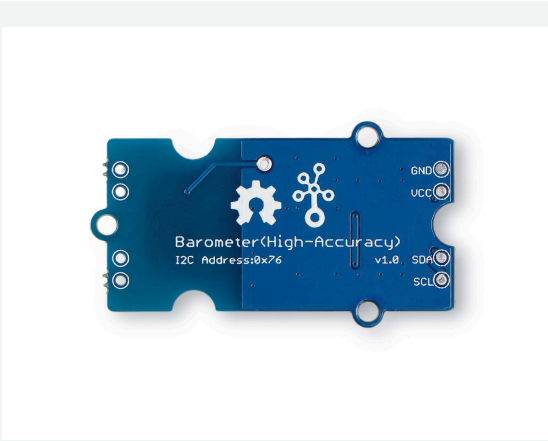
High-speed I2C Digital Output Interface

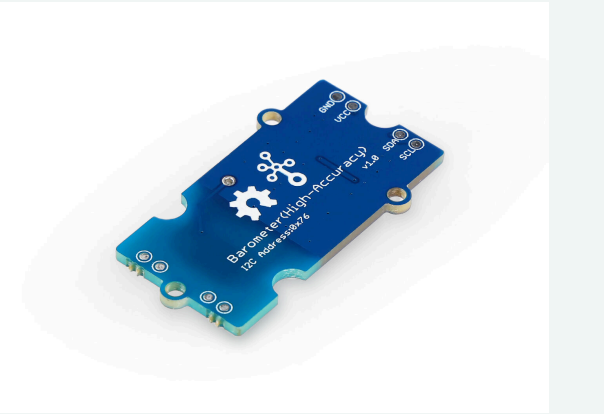
05 **Grove Interface**

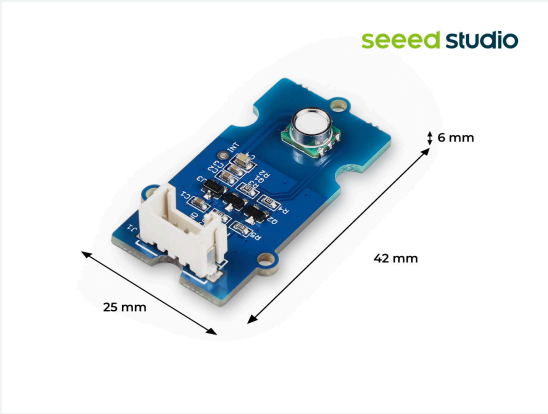
Features a Grove 4-pin connector, ensuring a "Plug and Play" experience to connect with mainstream hardware platforms like Arduino, Raspberry Pi, Micro:bit and many more.

Product Gallery









Applications

- High Precision Mobile Altimeter / Barometer
- Industrial Pressure and Temperature Sensor System
- Automotive Systems
- Personal Electronics Altimetry
- Adventure and Sports watches
- Medical Gas Control System
- Weather Station Equipment
- Indoor Navigation and Map Assist
- Heating, Ventilation, Air Conditioning

Resource Links

- https://www.seeedstudio.com/Grove-Barometer-High-Accuracy.html
- Grove_Barometer_High-Accuracy_ v1.0_sch_pcb
- HP206F Datasheet
- Github repository for Grove_Barometer_HP20x with arduino
- PCN-Grove-Barometer Sensor
- Resource

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com