



Grove - Barometer Sensor

SKU 101020032

Description

Please consider Grove - Barometer Sensor (BMP180) as alternative product

This Grove-Barometer Sensor features a Bosch BMP085 high-accuracy chip to detect barometric pressure and temperature. It can widely measure pressure ranging from 300hPa to 1100hPa, AKA +9000m to -500m above sea level, with a super high accuracy of 0.03hPa(0.25m) in ultra-high resolution mode.

The chip only accepts 1.8V to 3.6V input voltage. However, with outer circuit added, this module becomes compatible with 3.3V and 5V, therefore it can be used on Arduino/Seeduino or Seeduino Stalker without modification.

Features

- Wide pressure range
- Grove compatible interface (3.3V or 5V)
- I2C interface
- Fully calibrated
- Low power consumption: 5 μ A at 1 sample/sec. in standard mode
- Low noise:

- 1.
2.
 - a.
 - b. 0.06hPa(0.5m) in ultra-low power mode
 - c.
 - d. 0.03hPa(0.25m) in ultra-high resolution mode
 - e.
 - f. Possibility to lower to 0.1m(rms noise)
 - g.
- 3.

Application Ideas

- Enhancement of GPS navigation
- Indoor and outdoor navigation
- Leisure and sports
- Weather forecast
- Vertical velocity indication(rise/sink speed)

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

Weight	G.W 7g
Battery	Exclude

Part List

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