

INDUSTRIAL PRODUCT DATASHEET

Grove - High Precision Barometric Pressure Sensor (DPS310)

High-precision pressure and temperature sensor with ultra-low power consumption and Grove plug-and-play interface.

SKU

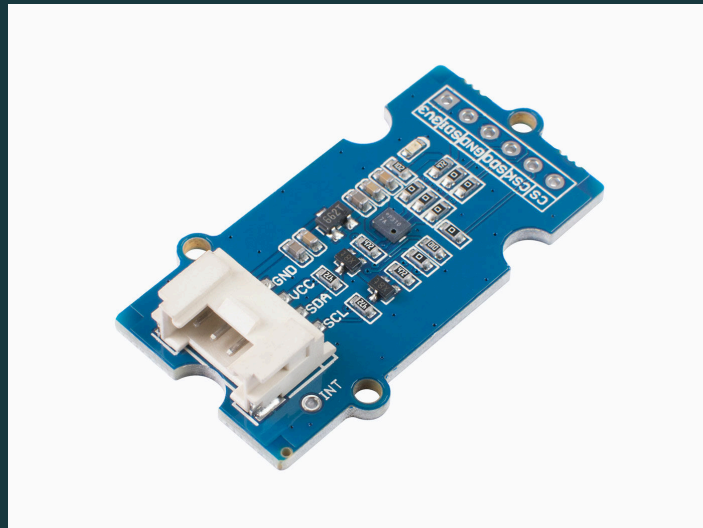
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UPDATED

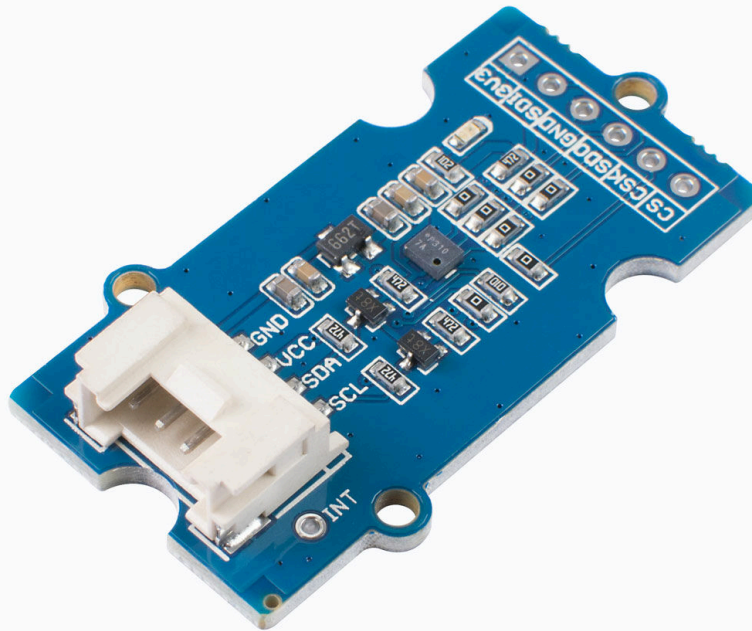
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PRICE

\$7.50(Excl. VAT)



Overview



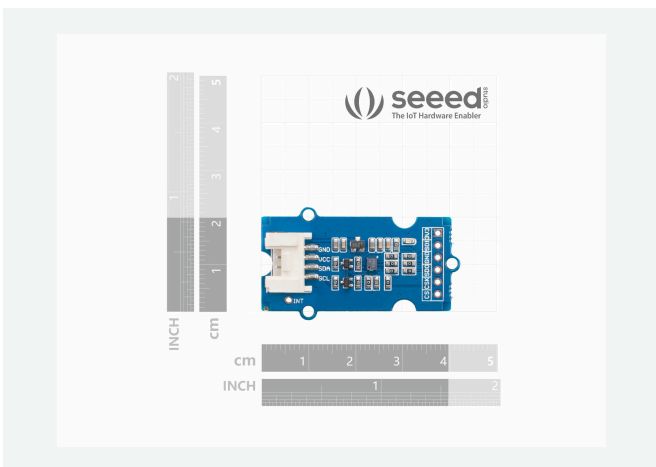
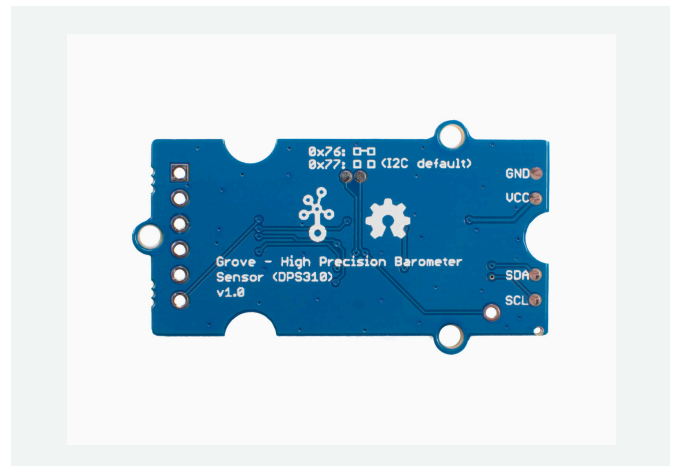
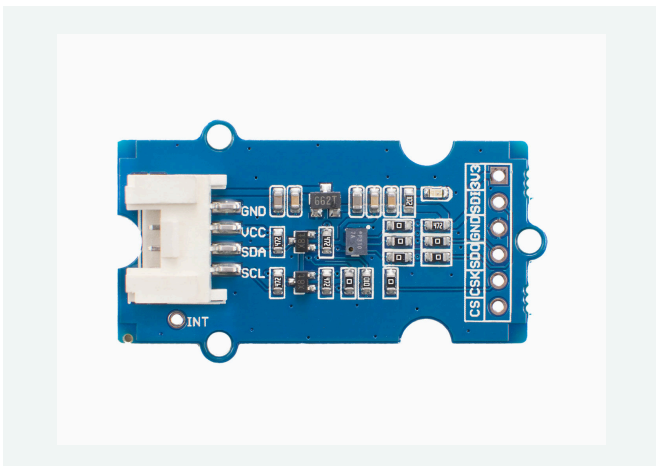
The Grove - High Precision Barometric Pressure Sensor (DPS310) offers ± 0.002 hPa precision and ± 0.06 hPa relative accuracy over a wide pressure range of 300–1200 hPa and temperature range of -40 – 85°C . It features ultra-low power consumption ($1.7\ \mu\text{A}$ for pressure, $1.5\ \mu\text{A}$ for temperature at 1 Hz) and a Grove unified socket for plug-and-play versatility.

Key Features

Features

- **High pressure precision:** ± 0.002 hPa (or ± 0.02 m)
- **High pressure accuracy:** ± 0.06 hPa (or ± 0.5 m)-Relative; ± 1 hPa (or ± 8 m)-Absolute
- **Wide range:** Pressure: 300 –1200 hPa; Temperature: -40 – 85 °C.
- **Low power consumption:** 1.7 μ A for Pressure Measurement, 1.5uA for Temperature measurement @1Hz sampling rate, Standby: 0.5 μ A.
- **Grove unified socket:** The sensor ensures "Plug and Play" and could be versatile for various applications

Product Gallery



Part List

Grove - High Precision Barometric Pressure Sensor (DPS310)	x1
20cm Grove Cable	x1

Compliance & Logistics



HSCODE	9026900090
USHSCODE	9026902000
UPC	841454122784
EUHSCODE	9013101000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-High-Precision-Barometer-Sensor-DPS310-p-4397.html>
- [DPS310 Datasheet](#)
- [PCN-101020812-Grove - High Precision Barometer Sensor DPS310](#)

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