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High Precision Atmospheric Pressure Sensor Module For Arduino

Module: GY-BMP280-3.3

Feature: Bosch has stepped up their game with their new BMP280 sensor, an environmental sensor with temperature, barometric pressure that is the next generation upgrade to the BMP085/BMP180/BMP183. This sensor is great for all sorts of weather sensing and can even be used in both I2C and SPI!

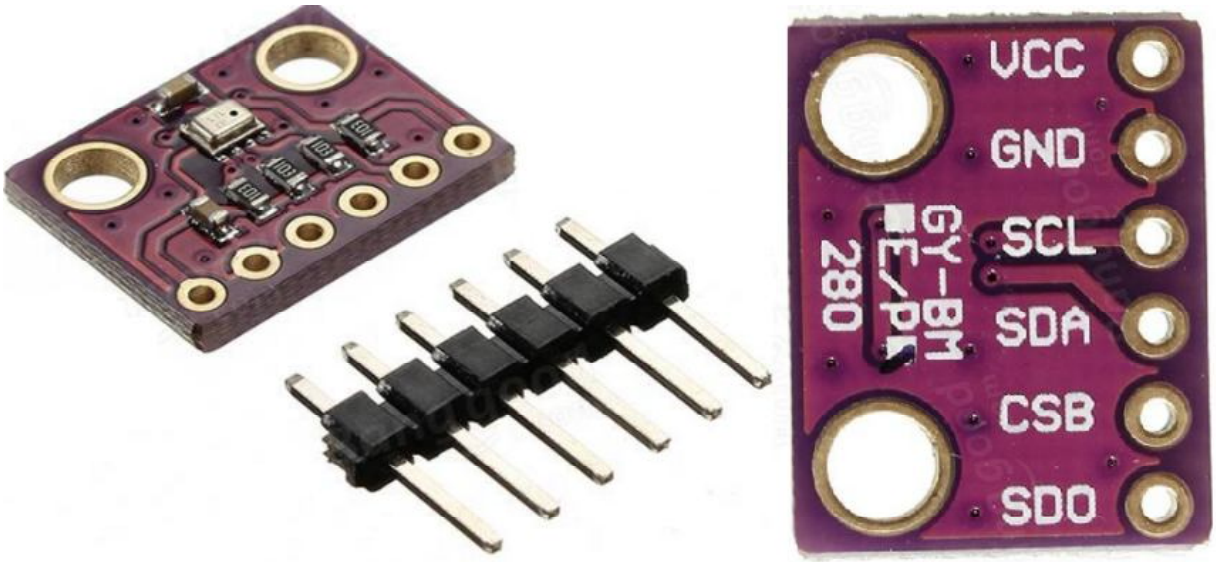
This precision sensor from Bosch is the best low-cost, precision sensing solution for measuring barometric pressure with ±1 hPa absolute accuracy, and temperature with ±1.0°C accuracy. Because pressure changes with altitude, and the pressure measurements are so good, you can also use it as an altimeter with ±1 meter accuracy

Description:

Model: GY-BMP280-3.3
Chip: BMP280 Datasheet from Bosch: https://www.bosch-sensortec.com/bst/products/all_products/bmp280
Power supply: 3V
Communication method: Standard IIC/SPI communication protocol
Air pressure range: 300-1100hPa
Pin pitch: 2.54mm
Module size: 11.5mm*15mm

Typical application:

Enhancement of GPS navigation(e.g.time-to-first-fix improvement,dead-reckoning,slope detection)
Indoor navigation(floor detection,elevator detection)
Outdoor navigation,leisure and sports applications
Weather forecast
Health care application(e.g. sirometry)
Vertical velocity indication(e.g. risk/sink speed)



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