BME280-Breakout (humidity, pressure & temperature sensor)

Item number: 201877

Category: Humidity

The BME280 is one of the newest Bosch humidity, pressure and temperature sensor with digital I2C and SPI interface. On the breakout you can find a voltage regulator and level translator, so you can use the board on 3V to 5,5V systems.

Features:
Humidity sensor
Response time (t63%) 1s
Accuracy tolerance ± 3 % relative humidity
Hysteresis = 2 % relative humidity

Pressure sensor
Pressure range 300 ? 1100 hPa (equiv. to +9000?-500 m above/below sea level)
Relative accuracy ±0.12 hPa, equiv. to ±1 m (950 ? 1050hPa @25°C)

Absolute accuracy typ. ±1 hPa (950 …1050 hPa, 0 …+40 °C)
Temperatur Sensor
Operating range Operational -40°C - +85°C / Full accuracy 0°C - +65°C

Digital interfaces I²C (up to 3.4 MHz) / SPI (3 and 4 wire, up to 10 MHz)
Current consumption 2.7µA @ 1 Hz sampling rate