



BME680-Breakout (humidity, pressure, temperature & air quality sensor)

Item number: 201878

The BME680 is one of the newest Bosch Sensortec environmental sensor for humidity, pressure, temperature and indoor air quality sensor with digital I2C/TWI and SPI interface. On the breakout you can find a voltage regulator and level translator, so you can use the board on 3V to 5V systems.

Category: **Environment**

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Features of the BME680:

Humidity sensor

Response time (t63%) 8s

Accuracy tolerance $\pm 3\%$ relative humidity

Hysteresis = 1,5 % 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)

Temperature Sensor

Operating range Operational -40°C - +85°C

Full accuracy 0°C - +65°C

Gas Sensor

Response time (t33-63%) 1s

Indoor air quality (IAQ) index output