



## Environmental Sensor (Qwiic) - BME680

SPX-14570 ROHS

The BME680 from Bosch is a powerful sensor capable of sensing humidity, barometric pressure, temperature and indoor air quality. The BME680 can communicate over SPI or I<sup>2</sup>C (default). The SparkX carrier board provides jumpers to select between communication protocols (SPI or I<sup>2</sup>C) as well as the ability to change the I<sup>2</sup>C address and remove the I<sup>2</sup>C pull up resistors. The carrier board also incorporates two **Qwiic** connectors so you can start talking to the board immediately - no soldering required!

While the BME680 is a very small IC, getting actual indoor air quality (IAQ) out of the BME680 is difficult. If you need a more direct sensor we recommend the **SparkFun Environmental Sensor Combo** which uses the CCS811 along side the BME280. Both sensors have robust libraries and a direct calculation of tVOCs and equivalent CO<sub>2</sub>.

We currently do not have a library for the BME680 available but will be releasing one soon.

We do not plan to regularly produce SparkX products so get them while they're hot!

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