



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 I²C (default). The SparkX carrier board provides jumpers to select between communication protocols (SPI or I²C) as well as the ability to change the I²C address and remove the I²C 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 CO₂.

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!

Experimental Product: **SparkX** products are rapidly produced to bring you the most cutting edge technology as it becomes available. These products are tested but come with no guarantees. Live technical support is not available for SparkX products. Head on over to our **forum** for support or to ask a question.

