



Qwiic Pressure/Humidity/Temp (PHT) Sensor - MS8607

SPX-16298 ROHS

The MS8607 from TE is an impressive combination pressure, humidity, temperature (PHT) sensor with accuracy of ± 2 mbar pressure, $\pm 3\%$ humidity, and $\pm 1^\circ\text{C}$. Perfect for sensing general weather conditions the MS8607 really shines for high altitude, low pressure applications. Capable of sensing down to 10mbar, this pressure sensor separates itself from many other I²C pressure sensors like the [BME280](#). The MS8607 is simple to use and gives the user some very powerful readings with very little power and conversion time.

Hook up is a breeze with as the breakout board is using the Qwiic connect system. We have a fully formed Arduino library and extensive examples to get you up and running quickly. The breakout board has built-in $2.2\text{k}\Omega$ pullup resistors for I²C communications. If you're hooking up multiple I²C devices on the same bus, you may want to disable these resistors.

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FEATURES

- Operating Range:
 - 10 - 2000mbar
 - 0 - 100% Humidity
 - -40 - 85°C
- Accuracy (at 25°C):
 - ± 2 mbar pressure
 - $\pm 3\%$ humidity
 - $\pm 1^\circ\text{C}$
- Resolution:
 - 0.016 mbar
 - 0.04 % Humidity
 - 0.01 C
- Supply Current (1Hz, 1024 OSR): 0.78uA
- Standby Current: 0.03uA
- Conversion Time (PHT): 4ms

