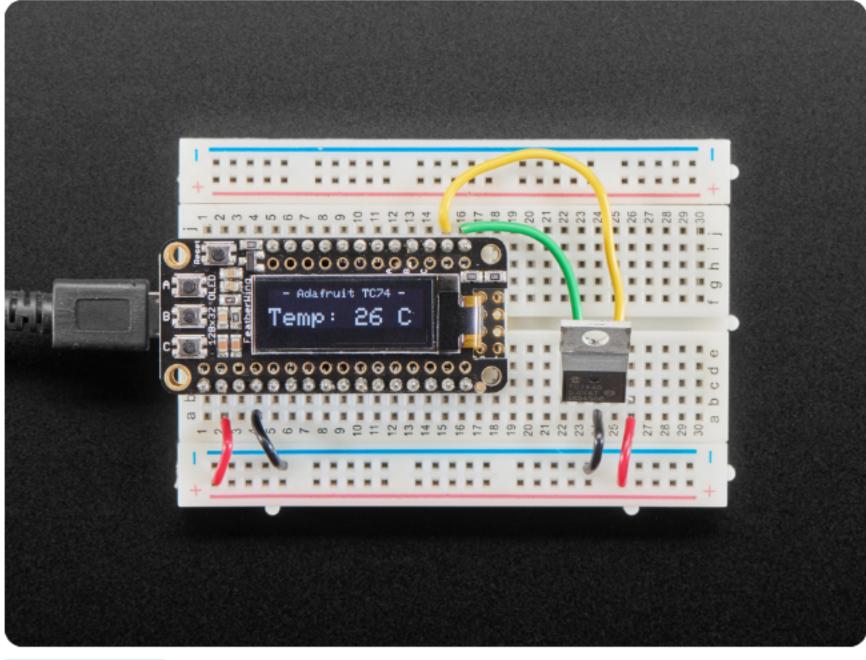
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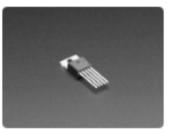
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Description **Technical Details**

Description

It's rare to see breadboard friendly I2C sensors, but this TO-220 package with 5 pins is, in fact, such a thing! It's a basic temperature sensor, not the highest precision in the world, only ±2°C but it will get the job done when you need simple temperature logging or monitoring.

Wiring it up is easy, pin 2 is SDA, middle pin is GND, pin 4 is SCL and the rightmost pin 5 is VDD. You can power it with 3.3 or 5V logic so it's good for any microcontroller or microcomputer. Note you will need to add I2C pull-ups on your breadboard especially if your I2C controller does not have them built in already

For Arduino code, you can use our PCT2075 library (this chip and that library both use the same LM75 compatible code). For CircuitPython or Python 3, our Python PCT2075 library will work as well. These sensors work best on buses with slow I2C speeds like 100KHz or 400KHz.

Comes as just one through hole sensor.

Technical Details

Datasheet





Learn



Primary Guide: Adafruit PCT2075 Temperature Sensor Is it hot in here or is it just you? Ask the PCT2075 temperature sensor!

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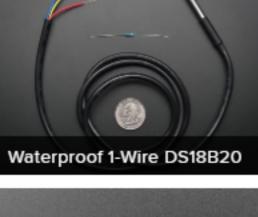
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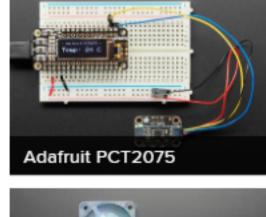


















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