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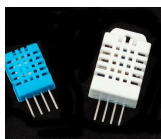
## TECHNICAL DETAILS

- Low cost
- 3 to 5V power and I/O
- 2.5mA max current use during conversion (while requesting data)
- Good for 0-100% humidity readings with 2-5% accuracy
- Good for -40 to 80°C temperature readings  $\pm 0.5^\circ\text{C}$  accuracy
- No more than 0.5 Hz sampling rate (once every 2 seconds)
- Body size 27mm x 59mm x 13.5mm (1.05" x 2.32" x 0.53")
- 3 wires 23cm long (9")
- 27mm wide x 58.75mm tall x 13.30mm deep

We have a [Adafruit Learning System guide with schematics, Arduino & CircuitPython code, datasheets and more!](#)

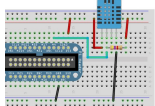
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## LEARN

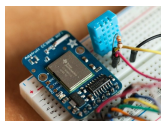


### [DHT11, DHT22 and AM2302 Sensors](#)

Basic temperature & humidity sensors



[DHT Humidity Sensing on Raspberry Pi or Beaglebone Black with GDocs Logging](#)  
Humidity and Temperature Logging From Your Pi or Beaglebone Black to the Cloud!



### [WiFi Weather Station](#)

Make a WiFi-connected weather station using Arduino & the CC3000 WiFi chip!



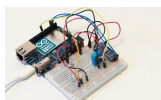
### [Adafruit CC3000 WiFi and Xively](#)

Connect sensors to Xively with Arduino & the CC3000 WiFi chip!



### [Bluetooth Temperature & Humidity Sensor](#)

Build a wireless temperature & humidity sensor using the BlueFruit module!



### [Cloud-Connected Weather Station with the Arduino Yun & Temboo](#)

Send weather measurements data to the cloud using the power of the Arduino Yun!



### [Create an Internet of Things Dashboard with Adafruit IO](#)

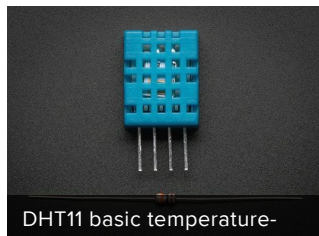
Visualise data measurements inside an online Adafruit IO dashboard



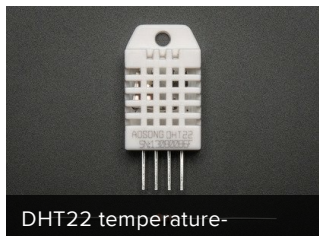
### [Home Automation in the Cloud with the ESP8266 & Adafruit IO](#)

Build a simple home automation system & control it from anywhere!

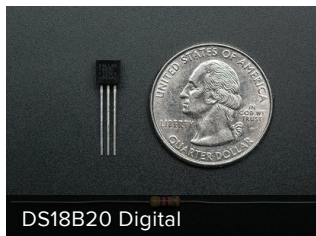
# MAY WE ALSO SUGGEST...



DHT11 basic temperature-



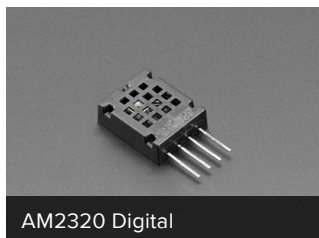
DHT22 temperature-



DS18B20 Digital



Waterproof DS18B20 Digital



AM2320 Digital



Adafruit BME280 I2C or SPI



Mesh-protected Weather-



Adafruit HTU21D-F



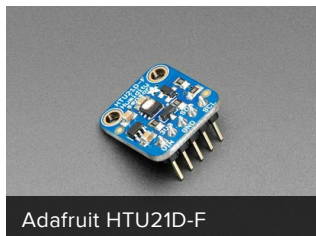
Adafruit SI7021 Temperature



MPL3115A2 - I2C Barometric



MPL115A2 - I2C Barometric



Adafruit HTU21D-F

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*"What I cannot create, I do not understand"* - **Richard Feynman**

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