

Adafruit MiCS5524 CO, Alcohol and VOC Gas Sensor Breakout

PRODUCT ID: 3199

IN STOCK

1

ADD TO CART

1-9

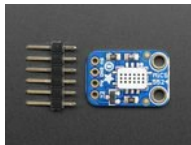
10-99

100+

ADD TO WISHLIST

DESCRIPTION

TECHNICAL DETAILS



DESCRIPTION

Give your next sensor project a nose for gasses with the **Adafruit MiCS-5524 Gas Sensor Breakout**. This breakout makes it easy to use this nice sensor from [SGX Sensortech](#). The MiCS-5524 is a robust MEMS sensor for indoor carbon monoxide and natural gas leakage detection, it's suitable also for indoor air quality monitoring; breath checker and early fire detection.

Please note: This sensor is sensitive to CO (~ 1 to 1000 ppm), Ammonia (~ 1 to 500 ppm), Ethanol (~ 10 to 500 ppm), H2 (~ 1 - 1000 ppm), and Methane / Propane / Iso-Butane (~ 1,000+ ppm). **However, it can't tell you which gas it has detected.**

This breakout board is not for any safety, medical or finished product usage. We're selling it for hobby education & experimentation and don't guarantee it for *any other* purpose! **All gas sensors require calibration for precision output.**

Using it is easy: Power it with 5 VDC and read the analog voltage off of the output pin. When gasses are detected, the analog voltage will increase in proportion of detected gas. When powered, the heater draws about 25-35mA. You can use the EN pin to power it off (pull it high to 5V to turn off) to conserve energy. Just make sure to wait a second after turning the heater on to make sure its all heated before taking readings.

Each order comes with one assembled and tested MiCS-5524 breakout and a bit of header. You'll need to do some light soldering to attach the header on - or you can use just plain wires.

[Check out the tutorial for files, example code, diagrams and more!](#)

TECHNICAL DETAILS

- [App Note on Alcohol detection](#)
- [MiCS5524 Datasheet](#)
- [EagleCAD and Fritzing files available in tutorial](#)

Product Dimensions: 20.0mm x 12.7mm x 3.1mm / 0.8" x 0.5" x 0.1"

Product Weight: 0.9g / 0.0oz



LEARN



[Adafruit MiCS5524 CO / Alcohol / VOC Gas Sensor Breakout](#)

sniff *sniff* do you smell that?

MAY WE ALSO SUGGEST...



Adafruit VEML6070 UV



Adafruit Sensiron SHT31-D



Adafruit HTU21D-F



Adafruit CCS811 Air Quality



Adafruit ALS-PT19 Analog



Adafruit TSL2561 Digital



Adafruit BME680 -



PM2.5 Air Quality Sensor



Adafruit SGP30 Air Quality

DISTRIBUTORS [EXPAND TO SEE DISTRIBUTORS](#)

[CONTACT](#)

[SUPPORT](#)

[DISTRIBUTORS](#)

[EDUCATORS](#)

[JOBS](#)

[FAQ](#)

[SHIPPING & RETURNS](#)

[TERMS OF SERVICE](#)

[PRIVACY & LEGAL](#)

[ABOUT US](#)

ENGINEERED IN NYC Adafruit®

*"This good fun, explore, explore,
explore, that's what science is,
exploration, finding out new things,
so have a good time with it" -*
Charles Townes



4.9 ★★★★★
Google
Customer Reviews