
Adafruit FXAS21002C Library Documentation

Release 1.0

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Feb 28, 2018

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CircuitPython module for the NXP FXAS21002C gyroscope.

CHAPTER 1

Dependencies

This driver depends on:

- [Adafruit CircuitPython](#)
- [Bus Device](#)

Please ensure all dependencies are available on the CircuitPython filesystem. This is easily achieved by downloading the [Adafruit library and driver bundle](#).

CHAPTER 2

Usage Example

See `examples/simpletest.py` for an example of the usage.

CHAPTER 3

Contributing

Contributions are welcome! Please read our [Code of Conduct](#) before contributing to help this project stay welcoming.

4.1 adafruit_fxas21002c

CircuitPython module for the NXP FXAS21002C gyroscope. Based on the driver from:

https://github.com/adafruit/Adafruit_FXAS21002C

See examples/simpletest.py for a demo of the usage.

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```
class adafruit_fxas21002c.FXAS21002C (i2c, address=<sphinx.ext.autodoc._MockObject object>, gyro_range=250)
```

Driver for the NXP FXAS21002C gyroscope.

gyroscope

Read the gyroscope value and return its X, Y, Z axis values as a 3-tuple in radians/second.

read_raw()

Read the raw gyroscope readings. Returns a 3-tuple of X, Y, Z axis 16-bit signed values. If you want the gyroscope values in friendly units consider using the gyroscope property!

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