
Adafruit
CIRCUITPYTHON*ADS1X15LibraryDocumentation*
Release 1.0

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Support for the ADS1x15 series of analog-to-digital converters. Available in 12-bit (ADS1015) and 16-bit (ADS1115) versions.

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](#).

2.1 Single Ended

```
import board
import busio
from adafruit_ads1x15.single_ended import ADS1015

i2c = busio.I2C(board.SCL, board.SDA)
adc = ADS1015(i2c)
while True:
    # channel 0
    print(adc[0].value, adc[0].volts)
```

2.2 Differential

```
import board
import busio
from adafruit_ads1x15.differential import ADS1015

i2c = busio.I2C(board.SCL, board.SDA)
adc = ADS1015(i2c)
while True:
    # channel 0 - channel 1
    print(adc[(0,1)].value, adc[(0,1)].volts)
```


CHAPTER 3

Contributing

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

CHAPTER 4

API Reference

a

`adafruit_ads1x15`, 9

A

adafruit_ads1x15 (module), 9