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# **Adafruit BNO055 Library Documentation**

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# CHAPTER 1

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## Dependencies

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This driver depends on the [Register](#) and [Bus Device](#) libraries. Please ensure they are also available on the CircuitPython filesystem. This is easily achieved by downloading a [library and driver bundle](#).



## CHAPTER 2

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### Usage Notes

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Of course, you must import the library to use it:

```
import adafruit_bno055
```

This driver takes an instantiated and active I2C object (from the `busio` or the `bitbangio` library) as an argument to its constructor. The way to create an I2C object depends on the board you are using. For boards with labeled SCL and SDA pins, you can:

```
from busio import I2C
from board import SDA, SCL

i2c = I2C(SCL, SDA)
```

Once you have the I2C object, you can create the sensor object:

```
sensor = adafruit_bno055.BNO055(i2c)
```

And then you can start reading the measurements:

```
print(sensor.temperature)
print(sensor.euler)
print(sensor.gravity)
```



## CHAPTER 3

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### Contributing

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



## CHAPTER 4

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API Reference

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