
MicroPython MLX90614 Library Documentation

Release 1.0

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Contents:

MLX90614

class `mlx90614.MLX90614` (*i2c*[, *address*])

The basic class for handling the communication with the sensor.

The `i2c` parameter is an initialized I²C bus, and the optional address specifies which sensor to connect to, if you have more than one and have changed their addresses with the `Addr` pin.

read_ambient_temp ()

Get the ambient temperature in Celcius

read_object_temp ()

Get the object temperature in Celcius

Usage Examples

Connect your sensor in following way:

- vin 3V
- gnd gnd
- scl gpio5
- sda gpio4

Now, to make basic measurement:

```
import mlx90614
from machine import I2C, Pin
i2c = I2C(scl=Pin(5), sda=Pin(4))
sensor = mlx90614.MLX90614(i2c)
print(sensor.read_ambient_temp())
print(sensor.read_object_temp())
```

To perform continuous measurement:

```
import time
while True:
    print(sensor.read_ambient_temp(), sensor.read_object_temp())
    time.sleep_ms(500)
```


CHAPTER 3

Indices and tables

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