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# **MicroPython DHT12 Library Documentation**

*Release 1.0*

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## 1.1 DHT12

**class** `dht12.DHT12` (*i2c*[, *address* ])

The basic class for handling the communication with the sensor.

The `i2c` parameter is an initialized I<sup>2</sup>C 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.

**temperature** ()

Get the temperature in Celcius

**humidity** ()

Get the relative humidity as a percentage





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### Usage Examples

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Connect your sensor in following way:

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

Now, to make basic measurement:

```
import dht12
from machine import I2C, Pin
i2c = I2C(scl=Pin(5), sda=Pin(4))
sensor = dht12.DHT12(i2c)
sensor.measure()
print(sensor.temperature())
print(sensor.humidity())
```

To perform continuous measurement:

```
import time
while True:
    sensor.measure()
    print(sensor.temperature())
    print(sensor.humidity())
    time.sleep_ms(4000)
```



## CHAPTER 3

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### Indices and tables

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