

Unit VMeter

Example

Measure voltage



```
from m5stack import *
from m5ui import *
from uiflow import *
import time
import unit

setScreenColor(0x222222)
VMeter_0 = unit.get(unit.VMETER, unit.PORTA)

while True:
    print((str('Voltage: ') + str(((str((VMeter_0.voltage())) + str(' mV'))))))
    wait(0.3)
    wait_ms(2)
```

API

Get VMeter_0 raw

```
print((str('raw:') + str((VMeter_0.raw()))))
```

- Obtain the raw value of the measured voltage data

VMeter_0 Set max input voltage range 8 V

```
VMeter_0.setGain(VMeter_0.PGA_256)
```

- Set the maximum output voltage

Set VMeter_0 mode continuous

```
VMeter_0.setMode(VMeter_0.MODE_CONTINUOUS)
```

- Set the output mode
 - continuous
 - singleshot

VMeter_0 ▾ Set 8 ▾ samples per second

```
VMeter_0.setRate(VMeter_0.RATE_8)
```

- Set to acquire 8 samples per second

Get VMeter_0 ▾ voltage

```
print((str('V:') + str((VMeter_0.voltage()))))
```

- get Voltage