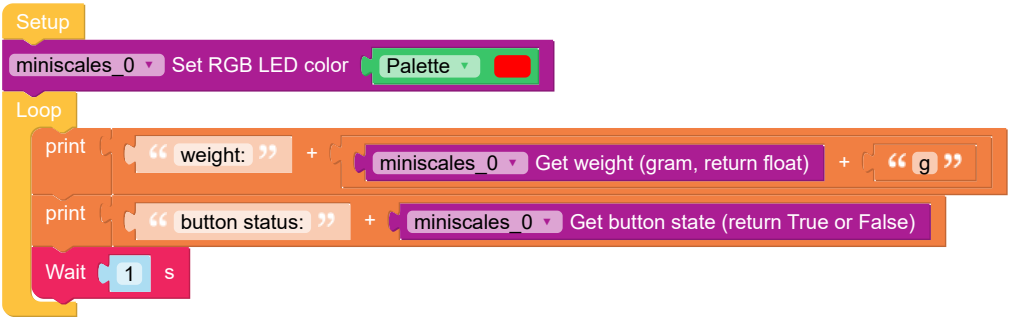


Unit Mini Scales

案例程序

显示所称量物体重量



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

setScreenColor(0x222222)
miniscales_0 = unit.get(unit.MINISCALE, unit.PORTA)

miniscales_0.setLed(255, 0, 0)
while True:
    print((str('weight:') + str(((str((miniscales_0.weight)) + str('g'))))))
    print((str('button status:') + str((miniscales_0.button))))
    wait(1)
    wait_ms(2)
```

功能说明



```
miniscales_0.calibration(0, adc0, 100, adc1)
```

◦ 校准测量重量



```
print(miniscales_0.adc)
```

- 获取 ADC 原始值

 miniscales_0  Get average filter level (return int)

```
print(miniscales_0.getAverageFilterLevel())
```

- 获取滤波器平均级别

 miniscales_0  Get button state (return True or False)

```
print(miniscales_0.button)
```

- 获取当前按钮状态

 miniscales_0  Get EMA filter alpha value (return int)

```
print(miniscales_0.getEMAFilterAlpha())
```

- 获取 EMA 过滤器 alpha 值

 miniscales_0  Get low pass filter status (return True or False)

```
print(miniscales_0.getLowPassFilter())
```

- 获取低过率滤波器状态

 miniscales_0  Get weight (gram, return float)

```
print(miniscales_0.weight)
```

- 获取当前重量(单位 g , 返回 Float)

 miniscales_0  Reset

```
miniscales_0.reset()
```

- 重置信息

miniscales_0 ▾ Set average filter level 0 (0 ~ 50)

```
miniscales_0.setAverageFilterLevel(0)
```

- 设置平均滤波器的等级

miniscales_0 ▾ Set EMA filter alpha 0 (0 ~ 99)

```
miniscales_0.setEMAFilterAlpha(0)
```

- 设置 EMA 过滤器 alpha 值

miniscales_0 ▾ Set RGB LED color Palette

```
miniscales_0.setLed(255, 0, 0)
```

- 设置 RGB 灯颜色值

miniscales_0 ▾ Set low pass filter ENABLE ▾

```
miniscales_0.setLowPassFilter(True)
```

- 设置低通过率滤波器的状态