



## micro:bit | Battery Tester

Libraries: **LED Display**

Blocks from: **Control**

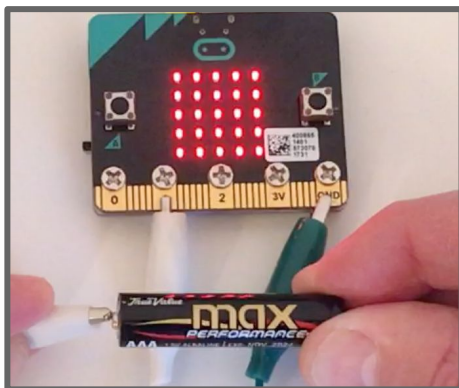
**Pins**

**Operators**

**Output**

Use this battery tester to check 1.5 volt batteries like those your micro:bit uses!

Connect alligator clips or wires to GND and pin 1 of the micro:bit. Touch the wire connected to GND to the - end of the battery and the other wire to the + end.



The **read analog pin** block senses voltage. A new battery outputs about 1.6 volts, which reports about 520. Even a dead battery outputs about 0.9 volts, which reports 290. Use this script to see the number from the **read analog pin** block.

```
when started
  forever
    if read analog pin 1 > 480
      display
    else if read analog pin 1 > 460
      display
    else if read analog pin 1 > 430
      display
    else if read analog pin 1 > 290
      display
    else
      clear display
```

```
forever
  say read analog pin 1
```

**Note:** To avoid damaging your micro:bit, test **only** 1.5 volt batteries (D, C, AA, or AAA).