

Mini voltmeter

eBook for

0.28 inch mini digital voltmeter

7 segment display in 4 colours



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Introduction

Measuring voltages is always necessary, with the Mini Voltmeter measurements can be made if you do not have a multimeter at hand or want to equip your project with a voltage display.

This voltmeter is due to the existing mounting holes also designed to be installed in projects, and therefore not only for beginners. The device has a potentiometer with which the voltmeter can be calibrated.

The mini voltmeter comes in four colors, the measuring range depends on the color of the display.

Specifications

| | |
|-------------------|--------------------------|
| Operating voltage | 2.5 to 30V |
| Colours | red, blue, green, yellow |
| Dimensions | 31x14x10mm |
| Cable length | approx. 20cm |
| Weight | approx. 4g |

Depending on the color, the operating voltage varies:

red: 2.5 to 30V

blue: 3.0 to 30V

green: 2.6 to 30V

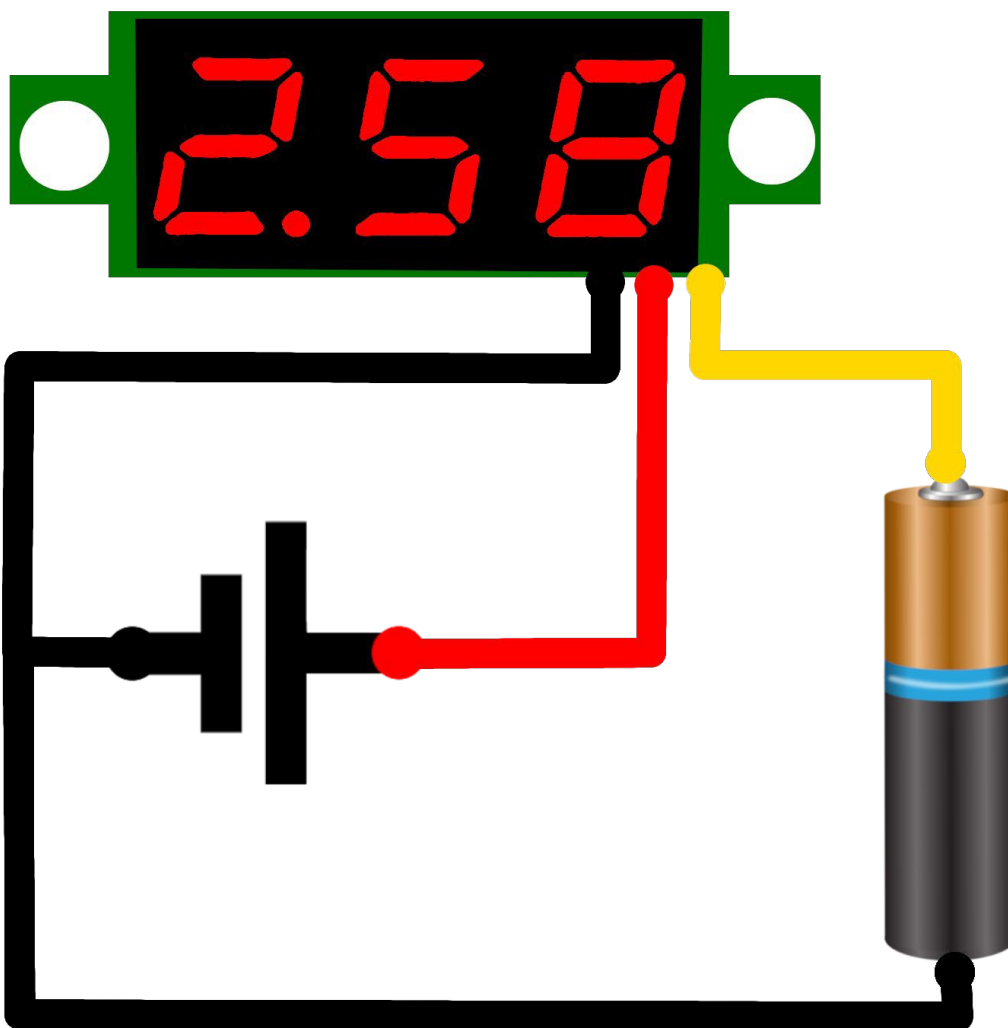
yellow: 2.6 to 30V

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Connection of the module

The 3 wires of the module are the power supply (red), GND (black) and the measuring line (yellow). The following graphic shows an example wiring, where the voltage of the battery is to be measured.

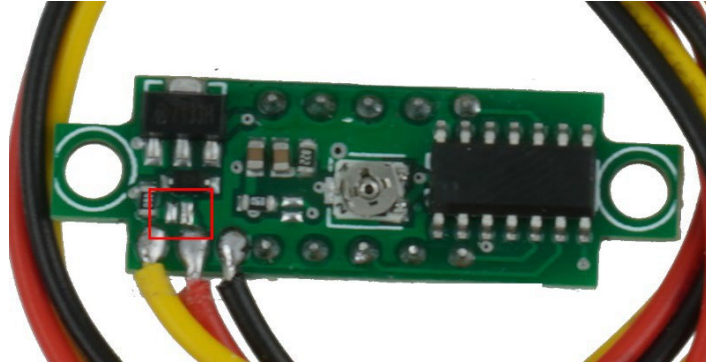
The measurement with 3 cables makes sense especially if the voltage source is not permanently present or the voltages have to be separated.



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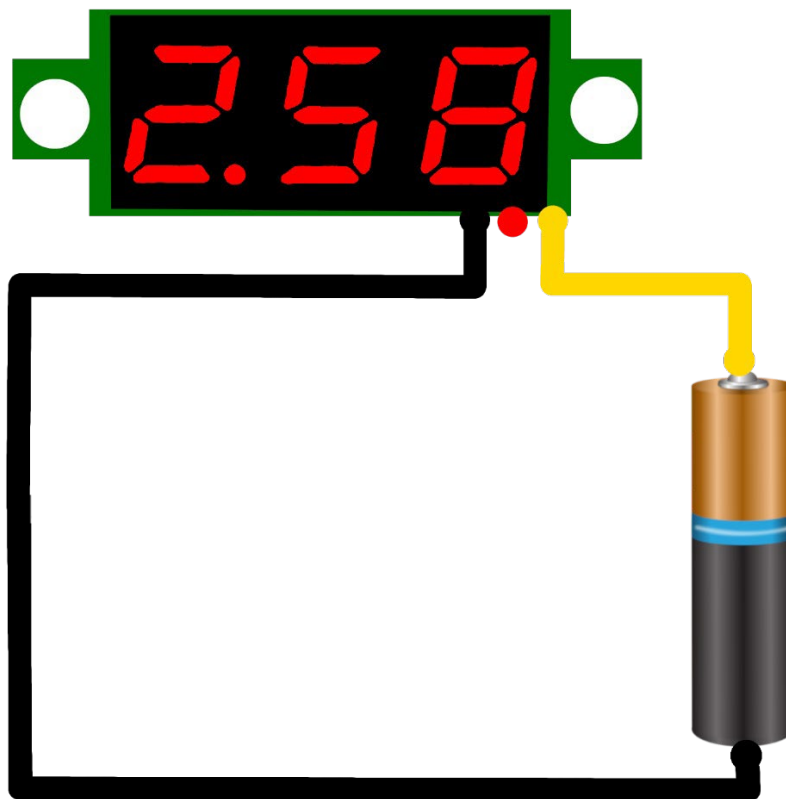
If the supply voltage that is actually applied to the module is to be measured, a small solder jumper must be placed on the back of the module.

The position of the contacts to be connected is shown in the following picture.



After this modification of the voltmeter, the red wire can be removed from the connection.

The circuit diagram then looks as follows:



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Now it's time to learn and create your own projects. You can do this with the help of many sample scripts and other tutorials that you can find on the Internet.

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