



ZB2L3 BATTERY CAPACITY TESTER



by Electro maker

Specifications:

Power supply voltage: DC4.5-6V (micro USB connector)

Operating Current: less than 70mA

Discharge voltage: 1.00V-15.00V 0.01V resolution

Termination voltage range: 0.5-11.0V

Supported by current: 3.000A 0.001A resolution

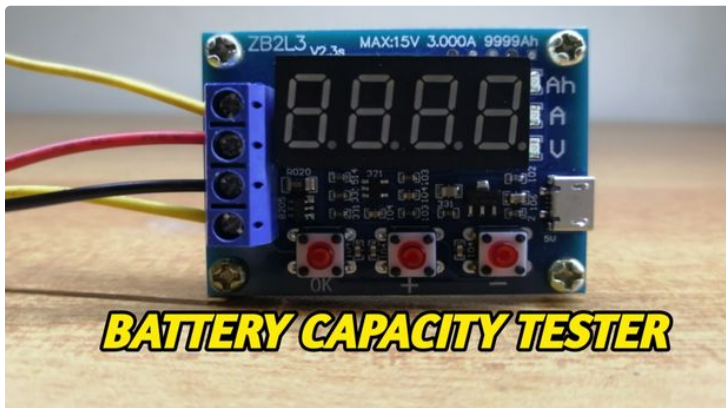
Maximum voltage measurement error: 1% + 0.02V

Maximum current measurement error: 1.5% + - 0.008A

Maximum battery capacity range: 9999Ah (1Ah = 1000mAh) greater value by shifting the decimal point to switch, when the display is less than 10Ah X.XXX, as shown above to achieve 10Ah XX.XX, and so on.

Board size: 50mmX37mm

Finished Size: 50mmX37mmX17mm (length X width X height maximum position size, contains copper foot height)



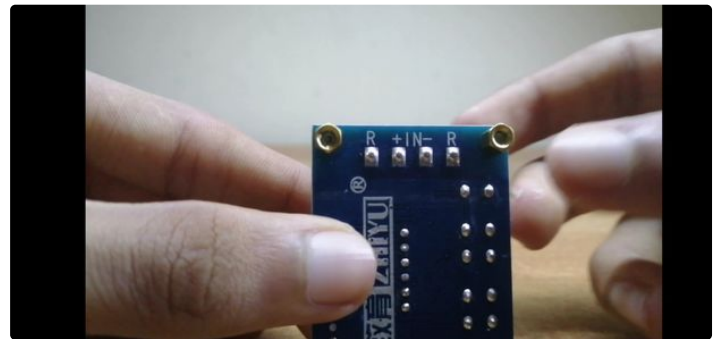
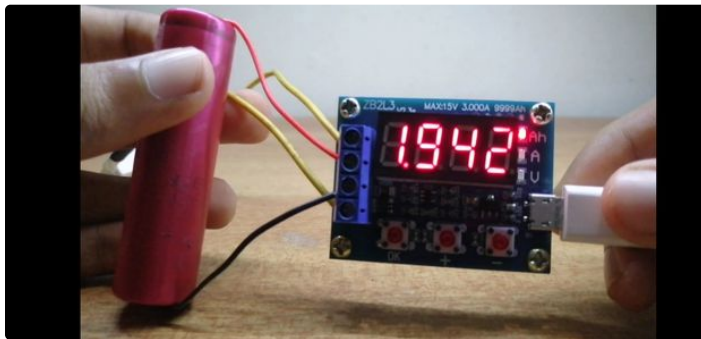
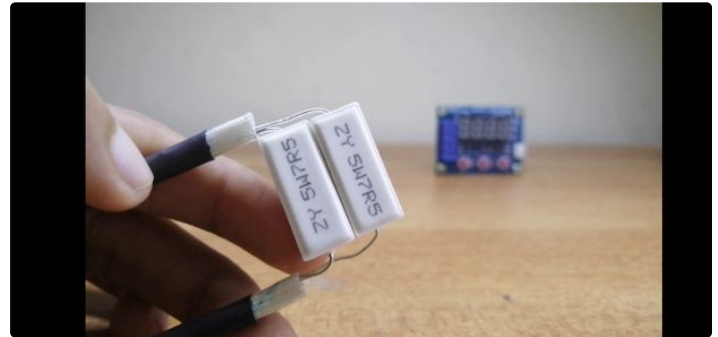
Step 1:

Link to buy - <http://s.click.aliexpress.com/e/c4UjnSjm>.

<https://youtu.be/4Zuf5u0uGyM>

Step 2: Connect the Battery

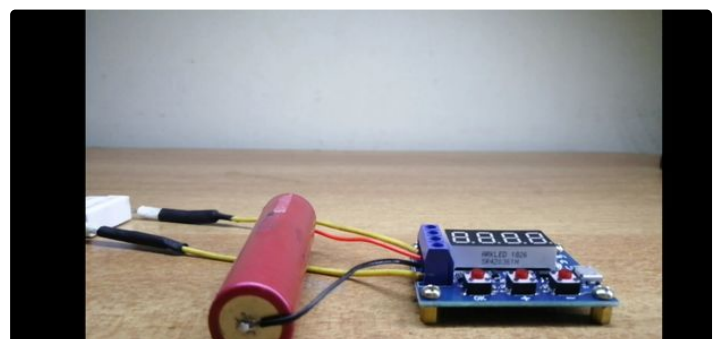
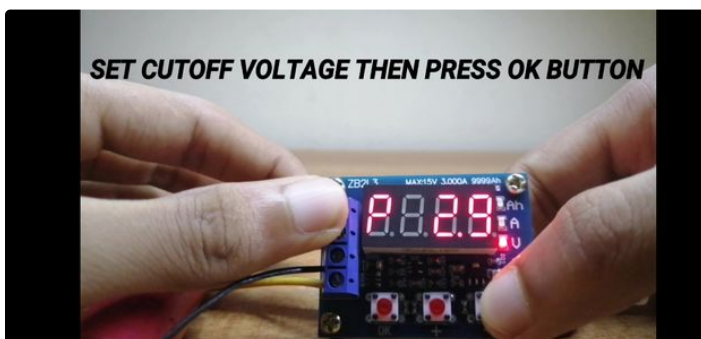
1. The first test should be fully charged battery.
2. Connect the battery to be tested positive to positive input, a negative input to the negative, can not be reversed (with load reversal may damage the circuit)! Load connected to the output of the positive and negative output, to work through the tester micro USB power supply (not available desktop or laptop USB powered), then the battery voltage.



Step 3: Starting the Test

Direct start test need only one press of the "OK" button, the tester can automatically develop an appropriate termination voltage of the battery full charge voltage, and will start flashing after the test three times. Need to develop artificial termination voltage only when the battery voltage display state by

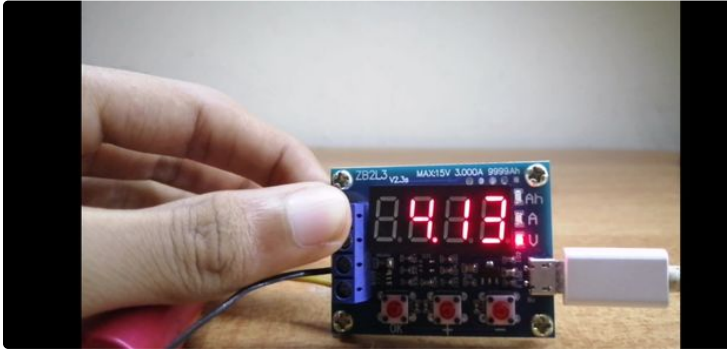
pressing "+" or "-" buttons to modify the termination voltage display beginning with P, behind the representative voltage resolution 0.1V, set up after pressing the "OK" start testing.



Step 4: Test Finished

After the start of the test the tester will control the load of the electronic switch is turned on, the test data shows that the process will release capacity (Ah), current discharge current (A) and battery voltage (V) between the wheel was. When the battery voltage reaches the set cut-off voltage, load control switches off the tester display data stays in capacity (Ah) and

above and the corresponding indicator flashes quickly together, now displays the actual capacity of the battery is discharging capacity, about the press "OK" to terminate flashing allows stable data display, press again "OK" button to return to the power-on state can just replace the battery test the next section



Step 5: Error Codes and Their Meanings:

Err1: battery voltage is above 15V

Err2: battery voltage is lower than the termination voltage

Err3: Battery can not afford to load or discharge current line too much resistance

Err4: overcurrent (current exceeds 3.1A)

Step 6: Note

Note: Use the resistance of the discharge process, resistive load will seriously heat, please pay attention to safety! This circuit voltage in order to improve the measurement accuracy, specially designed DC bias, when the terminal displays nothing then a small voltage does not affect the actual measurement, if you are shorting the input terminals (absolute 0V) will show 0