



POWERTECH Universal Battery Tester User Manual

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Thank you for purchasing our battery tester. Please read this user manual before use.

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Structure Design



1. LCD Display
2. Battery Type Selection
3. Battery Compartment
4. USB Port (For Test leads only, NO USB Charging)
5. Power Capacity Indicator
6. Battery Tester Power Indicator
7. Battery Voltage
8. Battery Internal Resistance

Battery Compatibility

Works with:

1. 1.2V Ni-MH Cylindrical Batteries: AAAA, AAA, AA, A, C, SC, D
2. 1.45V Zinc air battery: A10, A13, A312, A675
3. 1.5V Alkaline cylindrical batteries: AAAA, AAA, AA, C, SC, D.
4. 1.5V Alkaline button cell: LR621 (AG1), LR726(AG2), LR41 (AG3), LR626(AG4), LR754(AG5) LR921 (AG6), LR927(AG7), LR1120(AG8), LR936(AG9), LR1130(AG10), LR721(AG11). LR43(AG12), LR44(AG13)
5. 3.0V Lithium manganese button cell: CR1025, Cr1216, CR1220, CR1616, CR1620, CR2016, CR2025,

CR2032, CR2320, CR2430, CR2450

6. 3.0V Lithium manganese coin battery: CR 123A, CR2
7. 6.0V Lithium manganese battery pack: 2CR5, CR-P2
8. 3.2V Lithium iron phosphate battery: 10440,14500,14650,16340, 17335, 17500,18500, 18650, 26500, 22650, 26650, 32650
9. 3.7V Lithium-ion battery: 10440, 14500, 14650, 16340, 17335, 17500, 18500, 18650, 26,500, 22650,26650, 32650, 32710
10. 9.0V Alkaline battery: 6LR61
11. 12.0V Alkaline batteries: 23A, 27 A

Features

1. Tests battery voltage, power percentage and internal resistance.
2. Tests battery voltage accurate to two decimal places .
3. Shows battery percentage (5%, 10%, 15% ... 90%, 95%, 100%).
4. Displays battery internal resistance.
5. Includes test probes. Red probe is positive for the positive electrode; Black probe is negative for the negative electrode.
6. Large LCD display.
7. Low power consumption. Equipped with a dedicated test USB cable.

Operation

1. Open the back cover and insert 2 x alkaline AAA batteries.
2. Insert the USB test cable in the bottom of the battery tester.
3. Turn the switch to the measured batteries size. LCD screen will display in 4 seconds. 4 seconds later, the LCD screen will enter into test mode. If you don't use it to test a battery within 60 seconds, the LCD screen will be powered off.
4. In the dormant state if you use the red probe to contact a batteries anode and black probe to contact batteries cathode, the LCD screen will wake up immediately and accurately test the battery's three parameters: voltage, resistance and power percentage.
5. In the dormant state, if you make red probe to contact a batteries cathode and black probe to contact batteries anode, the LCD screen won't wake up and cannot test battery's parameters. LCD screen will display nothing
6. In the dormant state when you switch the rotary switch the LCD screen will wake up immediately, and after 4 seconds enter test mode.
7. Under reverse polarity for testing you will get accurate battery voltage reading, however battery percentage and internal resistance readings would be incorrect.
8. To prolong life of tester keep rotary switch in 'OFF' position and remove internal AAA batteries.
9. Shorting test probes will not damage the tester.

Package

- 2 x AAA LRO2 Battery
- 1 x USB Test Leads

- 1 x User Manual

Warnings

1. Please do not use this product in high temperature or wet weather.
2. Don't use rechargeable batteries to run the tester.
3. Test batteries one at a time.
4. In order to ensure the test results are accurate, the battery and probes should contact firmly .
5. Do not disassemble or assemble the tester.
6. If you don't use test instrument for a long time please remove alkaline batteries from tester. This will prevent damage due to battery leaks.
7. Put new alkaline batteries to run the test instrument, to ensure the accuracy of test results
8. Children are required to use the charger under the supervision of an adult.

Maintenance

1. The device is maintenance-free but should be cleaned occasionally.
2. When cleaning, the device must be switched off.
3. Only use dry and soft cloth to clear the housing of the tester.
4. Do not use abrasive agents or solvents.

Disposal

1. Disposal of waste:

Disposal of waste electrical and electronic equipment in order to preserve, protect and improve the quality of the environment. protect human health and utilize natural resources prudently and rationally, the user should return any serviceable product to relevant facilities in accordance with statutory regulations. The crossed-out wheeled bin indicates the product needs to be disposed separately and not as municipal waste.

2. Used batteries/rechargeable batteries disposal:

The user is legally obliged (battery regulation) to return used batteries and rechargeable batteries. Disposing used batteries in the household waste is prohibited! Batteries/rechargeable batteries containing hazardous substances are marked with the crossed-out wheeled bin. The symbol indicates that the product is forbidden to be disposed of via the domestic refuse.

3. The chemical symbols;

The chemical symbols for the respective hazardous substances are CD=Cadmium, lig=Mercury, Pb=Lead. You can return used batteries/ rechargeable batteries free of charge to any collecting point of your local authority.

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