

summary

JX - 008 resistance tester is used to measure the battery internal impedance and battery acidification film damaged degree of instrument, hereinafter referred to as the "instrument. It is applied to the tested object 1KHz ac signal, as measured by the exchange and obtain its internal pressure drop. (it is different from multimeters resistance measurement of principle, which are measured value is baekho uefa level, and multimeters measurement value is the ohm level; and multimeters can only measure is no power object, and resistance of the inner resistance tester not only can be measured is no power resistance of the object, and measurable power resistance of the object, and so the two shall not equal) using the size of the internal resistance to judge battery degradation state (generally), the smaller the resistance of the better the performance of the battery. Therefore, using impedance measurements battery method is fast and high reliability of a kind of good method.

Applicable scope

- 1, mobile phone use nickel cadmium, nickel metal hydride batteries (group), lithium battery,
- 2, lead-acid batteries and free maintenance battery,
- 3, also can apply to all kinds of battery research institutes and manufacturers.

Safety work rule

In order to avoid the instrument or be measured cell were damaged, please follow the following principles:

Before use, please check the instrument shell whether there is a fracture or lack of accessories. Pay special attention to the connector nearby

insulation.

Check whether the test pins conduction, if test pins or damage of disconnection phenomenon, please use more again after the instrument.

The same fixed plate on the two test pins not exposed, in case of short circuit.

Never in explosive gas, steam, acidic environments or use of this instrument. Dust near

When measuring the battery resistance and voltage must be within the range of the measurement instrument, otherwise the readings are incorrect, over the rated voltage (19.99 V) would burn out instruments.

Forbid link instrument measurement of high voltage power supply (such as: 220V power supply or other high voltage power supply), otherwise the consequence is proud!

Comprehensive index

The input power: 50Hz AC 220V

Wen: 0 degrees °C - 50 °C

Overall dimensions: 300 x 2.5 x 100 (mm)

Heavy quantity: 1.5 kg

The fuse protection: 0.5 A 250V fast melting type fuse

Editor: digital show sheba

Change measurement range and accuracy

Table 1. Technical parameters instrument function

功能	量程	测量范围	分辨率	测定时间	精度	输入阻抗
切换	200mΩ	0.1-200mΩ	0.1mΩ	100mS	±0.5 mΩ	-

量程	2 Ω	1m Ω -2 Ω	1m Ω	100mS	±2m Ω	-
电压	19.99V	0-19.99V	0.01V	100mS	±0.01V	10K
<p>Explanation:</p> <p>1, Measuring time: four-pole completely 100mS after contact about.</p> <p>2, Determine frequency: 1KHz + 5% square wave.</p> <p>3, Highest voltage: must be smaller than 19.99 V.</p>						

Table 2. The panel some functional

Serial number name reactive can

1 when resistance display when no-load within, the display open power for 0.0-0.9 as normal. Displays the actual resistance measured cell (baekho uefa rank and ohms level) values.

2 voltage display by the actual measured cell voltage values, shall not exceed the maximum voltage 19.99 V.

3 the power switch open and shut off the power. "ON" said opening, "OFF" said closed.

4 I/O interface signal output and input interface, test frame or testing pen with a mouth.

5 operating keyboard instrument all function realization and transformation; Each parameter set.

6 instrument support instruments, can also be converted into up.

Serial number name reactive can

1 the positive thimble connect battery electrode. Two test pins shall not be exposed.

2 fixed plates test pins.

3 battery anode thimble connected electrode. Two test pins shall not be exposed.

According to different type 4 sliding board battery length, movable its position, measurement purposes.

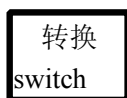
5 floor must be placed in a level work platform.

6 wiring row for fixed test frame of input line.

7 terminals signals connected.

Note: if the test battery products or lead-acid batteries used pens and measurements.

3, keyboard introduction, the function of each key-press



High-grade and low-grade conversion between Ω / 2 Ω 200m multi-range conversion.

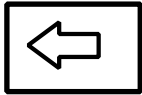


The driver enter setup state, press this button can be carried out after the upper and lower limit parameter setting (its desired order: internal resistance limit - lower voltage limit - voltage limit furnace-rough) on standby mode, press the button to view the installed by setting the parameters of every click show different parameters, the order and above as set sequence.

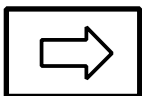


Closed alarm function (according to the key 1 seconds to loosen, the internal display symbol (when a symbol in the display of the most downlink location), said out-of-tolerance alarm function has been closed, installed by the upper and lower limit parameter is void) started alarm function (according to the key 1 seconds to loosen, the

internal display symbol (when a symbol in the display of intermediate position), said out-of-tolerance alarm function has been launched, the setting of the upper parameters are valid)



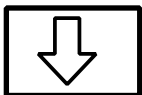
Left transposition key (set condition under the key effective, each click to set the digital is move left a)



Rightward transposition key (set condition under the key effective, each click to move to the right set of digital one)



Numerical set key (according to the key time, set by digital numerical met with "1" increments, until all required number)



Numerical set key (according to the key time, set by digital numerical met with "1" descending, until all required number)

4, keyboard operation and of the parameters set methods:

In choosing intelligent alarm functions, the need to set upper parameters, hold "intelligent" key 1 seconds to loosen, the internal monitor displays "" symbol (when a symbol in the middle position), monitor say intelligent alarm function has been launched.

Press the "set" button parameter setting, (its configuration order: internal

resistance limit - lower voltage limit - voltage limit furnace-rough)

Press the "set" button once, resistance of the 1st digits display will blink (now set upper limit for resistance, from left to right and left for the number 1 digits), then can press or set up the digital value, the first digital setting after the success, according to convert to second digits, When the second digits set convert to continue to push the after the success of the 3rd, when the fourth set the number of successful pressed after conversion to lower resistance value.

When resistance limit number after the success of the fourth set convert to continue to push the voltage limit setting, by analogy.

When the voltage limit number after the success of the fourth set, according to return to standby test condition.

If you don't need to start out-of-tolerance alarm functions, press "normal" key 1 seconds to loosen, the internal monitor displays "" symbol (right now the most downlink display symbol in the position, said out-of-tolerance alarm function has been closed down, If need to activate the function is referring to the above methods (1).

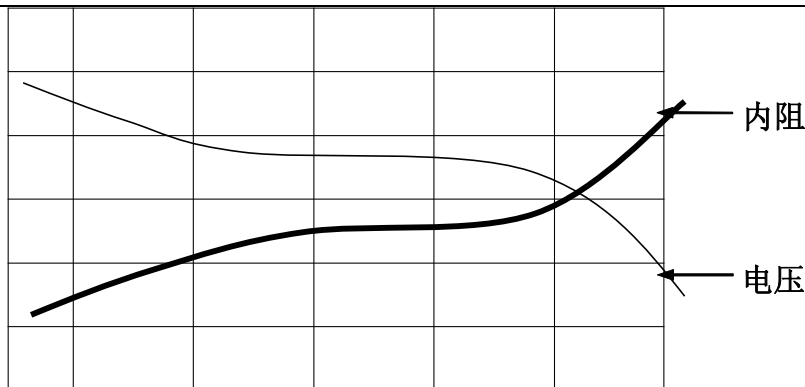
High-grade and low-grade divisional:

Low-grade: according to "convert" button, when decimal digits in third lower (namely after a decimal digits) for low-grade bits (200m Ω cheng quantity gear).

High-grade: according to "convert" button, when the decimal point in the first digit lower-right (decimal point after three digits) for high-grade bits (2 Ω cheng quantity gear).

Battery resistance and voltage (or time) the relationship between them

Using internal resistance to judge battery degradation state, its resistance and voltage (or time) relationships are shown below:



measuring

According to the measured the different type of battery to choose the appropriate test rack (according to the requirements of customers, we provide different test frame and pens and), here we only introduces a universal test rack method.

First will instruments and test frame placed in the level of workbench admiral test frame terminals insert instrument panel of socket, and lock screw.

The instrument to insert the 220V / 50Hz outlet, open instrument the power switch.

First unscrewing the sliding board at the bottom of the screw, then according to the length of the tested battery adjust the position of sliding board, make two test electrode head the distance between the battery length of around for less than 4mm, lock sliding board fixed screw.

First tested positive test battery electrode and negative test electrode between resist and make a battery centre and test center of the needle consistent, and the battery and test pins are negative completely exposed. Load method, first battery cathode and testing frame negative contact (battery to be installed by method: first use battery cathode resist negative electrode head its compressed again after contact with the positive

联系方式:

深圳市佳佳讯电子有限公司

地址: 深圳市龙岗区坂田五和大道阳光大厦 **7A**

移动电话: **13138156688**

电话: **0755-36933903**

传真: **0755-28268740**

www.szjiajiaxun.cn www.szjiaxun88.cn

Email:szjiajiaxun@163.com

QQ:562620145 275506262

旺号 ID: szjiajiaxun/szjiaxun88

electrode head).

Battery pack good, display the readings will be somewhat 100mS after beating, about the reading will automatically to stabilize.

According to the size of the measured cell internal switch button, the choice of appropriate range (200m Ω below Ω files, choose m 200m Ω above - 2 Ω choice Ω files, or reading is accurate, when the battery within less than 200m Ω when resistance, should choose "m Ω " gear tests, more than 200m Ω amount when choose " Ω " gear measurement). Write down its accurate readings.

After test battery, will take away. (first will negative electrode head compression, wait for battery anode and cathode after detaching and under wired battery, may not directly from test rack pulling down the battery, lest

damage test head!

If you can't adapt to the above operation method, usable also hand pushing sliding board make battery and test pins completely exposed. Repeat the first 6, 7, 8 steps.

In active content test, you have to follow the positive (was) for the analyte positive (tester), negative (was) for the analyte anode (tester) principle, which should be read or instrument the analyte voltage values shows negative!

Lead-acid batteries (or battery products) test method:

Two pens and positive and negative test battery (or battery products) plus or minus contacts are connected separately.

Special remind:

By measuring the battery voltage cannot exceed test range $< 19.99\text{ V}$, otherwise it will damage the apparatus, Be measured cell impedance no more than $2\ \Omega$.

This section provides basic maintenance information, unless you're experienced maintenance personnel, have the relevant calibration, performance testing and maintenance information, otherwise don't try to repair the instrument.

Regularly with wet cloth and mild cleaner cleaning instrument shell. Don't use abrasive or solvents.

Test pins on goods or moisture can affect reading to timely cleaning.

In order to avoid damage by electric shock or instrument, replacing the fuse ago, must first be power off (unplugged the power cord).

Replace test pins, must turn off the power supply, and test pins tester is not at the anode.

troubleshooting

Boot screen no readout shows

Check whether the power supply has been through. Instrument

Check the power supply, whether through.

Check whether the insurance pipe burn out.

Check the machine in two headers board power plug without loose.

Have resistance but no voltage, check the battery is negative whether against or test on the shelf put off. Whether attachment

If you still have questions, please contact with the manufacturer.

Display readings always beats or keep still

Ensure test pins and battery two end good contacts, the test electrode head is damaged!

Ensure ipsilateral two test pins no phase contact.

Ensure test pins and testing frame attachment good contacts.

Sure the test frame terminals and panel socket good contacts.

Ensure that the resistance and measured cell voltage in rated scope. If measured value over the rated scope, display is "2047".

Check impedance or voltmeter head plate on the plug is loose.

If you still have questions, please contact with the manufacturer.