

HZJY-25K Insulation Resistance Tester



I. Main functions and features

Intelligent high-voltage insulation resistance tester, with 8 ranges: 500V, 1000V, 2500V, 5000V, 10000V, 15000V, 20000V, 25000V, the maximum test can reach 25T Ω , and the manual voltage function.

1. Design in strict accordance with safety standards
2. Insulation resistance range 25T Ω @25kV
3. The short-circuit current can be adjusted, up to 5mA (up to 10mA short-circuit current products can be customized).
4. Automatically display the test values of polarization index (PI) and dielectric absorption ratio (DAR), which can test leakage current and capacitance.
5. Excellent anti-interference performance, when the interference current reaches 2mA,

the instrument still guarantees the test accuracy.

6. The capacitive test sample discharges quickly, and the instrument discharges quickly automatically.

7. Two power supply methods: use lithium ion battery power supply, battery life can reach 4 hours (25000V no load). At the same time, it can be charged in use. In the event of a power failure, it can automatically switch from AC power to battery power. The charging power supply is built-in, that is, an integrated design.

8. The instrument has an automatic shutdown function: when it is idle, the instrument automatically cuts off the power to prevent forgetting to shut down and cause the battery to run out.

9. All Chinese display, Chinese prompt operation, simple and clear, and can display the insulation resistance simulation column.

10. Digital filter function, use the filter function to reduce the influence when the display value is deviated due to external influence.

11. Perfect protection function, built-in fuse protection, and has the function of fuse blowing prompt.

12. The instrument has a Bluetooth communication function, and can develop user-specific application programs with the communication protocol.

13. The instrument has built-in electronic contrast adjustment to meet the problem of temperature changes affecting the display gray scale.

II. Technical specifications

1. Safety specifications

IEC 61010-1 CAT.IV 600V Pollution degree 2

IEC 61326 EMC specification: electrical equipment for testing, control and inspection

IEC60529 IP64 (outer box closed state)

2. AC power supply: 220V \pm 10%, 50/60 HZ, 25 VA

3. Battery power supply: 16.8V lithium ion battery

4. Battery life time: 25000V@no-load, about 4 hours

5. Dimensions (length x width x height): 37cm x 27cm x 17cm

6. Weight: 3.5kg

7. Test voltage accuracy: 100% to 110% of the nominal value

8. Voltage measurement accuracy: 5%+10V

9. Current test range: 10mA

10. Current measurement accuracy: 5%+0.2nA

11. Short-circuit current: 2 to 7mA, adjustable output (10mA short-circuit current can be customized)

12. Capacitance test range: 20uF

13. Capacitance test accuracy: 15%+0.03uF

14. Insulation resistance test range and accuracy (temperature: 23±5°C, relative temperature: 45-75%RH)

Range Accuracy	500V	1000V	2500V	5000V	10000V	Manual pressure regulation
Unspecified	<1M	<1M	<1M	<1M	<1M	Range: 1G/V, 100G at 100V. When the voltage is less than 300V, the resistance error increases by 10%
5%	<1M-10G	<1M-20 G	<1M-100 G	<1M-10 0G	<1M-200G	
20%	10G -100G	20G-200 G	100G-1T	100G-1 T	200G-2T	
Unspecified	> 100G	> 200G	> 1T	> 1T	> 2T	

Range Accuracy	15000V	20000V	25000V		
Unspecified	<1M	<1M	<1M		
5%	<1M-300 G	<1M-400G	<1M-500G		
20%	300G -3T	400G-4T	500G-5T		
Unspecified	>3T	>4T	>5T		