

RDHL-100A Loop Resistance Tester

RDHL-100A loop resistance tester is a high-precision and digital switch testing instrument developed by our company according to IEC standards and the latest electric power executive standard of the People's Republic of China DL/T845.4-2004, giving full play to our technical advantages. The instrument adopts high frequency and high power constant current switching power supply technology to measure micro ohm contact resistance. It is widely used to calculate the contact resistance and loop resistance of various switches and electrical appliances and the contact resistance of cables, wires, and welds. The instrument has accurate measurement data and stable performance, meeting the requirements of on-site high-voltage switch maintenance of electric power and power supply departments and loop resistance test of the high-voltage switch factory.



Product Features

1. It has multiple protection functions, such as protecting against back EMF impact, disconnection and power-off during the test, overheating of the power supply, and so on. It can reliably protect the instrument from back EMF impact and simultaneously give an alarm.
2. Intelligent power management technology, the instrument always works in the minimum power state, which can effectively save energy and reduce heating.
3. High output voltage and wide measuring range.
4. The test current comes from the high-precision high current constant current power supply, which needs no manual adjustment, so the test is fast and accurate.
5. Using the four-terminal connection method, the influence of test line resistance on test results is eliminated effectively.

6. Seven-inch-high brightness touch color LCD, clear display under intense light, entire touch screen operation.
7. The instrument has a calendar clock and power-off storage, which allows it to store 1000 groups of test data for reference at any time.
8. The instrument has Bluetooth, RS232, and USB interfaces for computer communication and data storage.

Product specifications and technical parameters

1. Test current: 50A, 100A
2. Range: 0~100mΩ (50A) 0~50mΩ (100A)
3. Resolution: minimum 0.1μΩ
4. Accuracy: ± (0.5%±2 digits)
5. Power: 1000W
6. Working mode: continuous measurement
7. Working power supply: AC220V±10% 50HZ
8. Service temperature: 0~40°C
9. Relative humidity: < 90%, no condensation



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