

## RDZR-10AH Portable DC Resistance Tester

The transformer DC resistance tester is a necessary test item for semi-finished product, finished product factory test, installation, overhaul, change of tap changer, handover test and preventive test of power department in transformer manufacturing. It can check the welding quality of the winding joint and whether there is inter turn short circuit in the winding, whether the contact of each position of the voltage tap changer is good, whether the actual position of the tap changer is consistent with the indicated position, whether the outgoing line is broken, and whether there is broken strand in the parallel winding of multiple wires. In order to meet the needs of fast measurement of transformer DC resistance, our company developed RDZR-10AH DC resistance tester. The instrument adopts new power supply technology, which has the characteristics of small volume, light weight, large output current, good repeatability, strong anti-interference ability, perfect protection function and so on. The whole machine is highly automatic, with automatic discharge and discharge alarm functions.. The instrument has the advantages of high precision and easy operation, and can realize the fast measurement of transformer direct resistance.



### Product features

1. High resolution 65K true color 7 inch touch screen with high brightness and clear display under strong light.
2. The sampling instrument is powered by internal battery or power adapter, which is convenient for outdoor operation.
3. It has the temperature conversion function of copper and aluminum, which can be converted to the resistance value at different temperatures according to the customer's needs, so as to facilitate data comparison.
4. Digital management of power supply battery, with functions such as residual power display, residual power alarm, over-current protection, etc.

5. It has power off free data storage and perpetual calendar, which can store 1000 groups of test data and test time in real time.
6. It has a U disk interface.
7. It has protection functions such as discharge audible alarm, power overheating, reverse voltage connection, etc.
8. The maximum 10A measuring gear test current is convenient for measuring the low voltage side resistance of large capacity distribution transformer.
9. The on load switch can be directly switched in the measurement state, and the instrument automatically refreshes the data without resetting.



### Product specifications and technical parameters

Item	Technical indicators and parameters	
Test current	<20mA, 40mA, 200mA, 1A, 3A, 10A	
Measuring range	0.5mΩ ~ 0.2Ω (10A) 5mΩ ~ 4Ω (3A) 10mΩ ~ 10Ω (1 A) 100mΩ ~ 50Ω (200mA) 1Ω ~ 300Ω (40mA)	Accuracy: ±(0.2%+2d)
	100Ω ~ 50kΩ (<20mA)	
Minimum resolution	0.1μΩ	
Display	7 inch touch color LCD	
Data storage	1000 groups	
Work environment	Ambient temperature: 0°C ~ 40°C Relative humidity: < 90%RH, no condensation	
Power supply	Built in rechargeable lithium battery or power adapter	