RDZR-10A Transformer Winding Resistance Meter

The transformer DC resistance tester is a necessary test item for semi-finished products, finished product factory tests, installations, overhauls, changes of tap changers, handover tests, and preventive tests of power departments in transformer manufacturing. It can check the welding quality of the winding joint and whether there is an 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. To meet the need for fast measurement of transformer DC resistance, our company developed an RDZR-10A 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. A high-speed single-chip microcomputer with a high degree of automation, automatic discharge, and discharge alarm function controls the whole machine. The instrument has the advantages of high precision and easy operation and can realize the fast measurement of transformer direct resistance.

🕮 Product Features

1. The maximum output voltage of the instrument is 24 V, which is convenient for selecting a larger test current when the resistance value is high to improve the test speed

2. The instrument adopts new power supply technology, with many current ranges and wide measurement range. It can automatically select the current according to the load, suitable for the DC resistance measurement of small and medium-sized voltage transformers.

3. It has multiple protection functions, such as back EMF impact, disconnection, power-

off during the test, power supply overheating, etc. It can reliably protect the effect of back EMF on the instrument and give an alarm simultaneously.

4. It converts any temperature of copper and aluminum materials, and it can touch to input any winding temperature and conversion temperature.

5. Intelligent power management technology: the instrument always works in the minimum power state, effectively saving energy and reducing heating.

6. High brightness 7-inch touch color LCD, clear display under strong light, full touch screen operation, free switching between Chinese and English.

7. The instrument has its calendar clock and power-down memory, which can store 1000 groups of test data and can be consulted at any time.

8. The instrument has Bluetooth communication, RS232 communication, and a USB interface for computer communication and USB data storage.

9. It is equipped with a panel-type micro printer to print the measurement results.

10. Download the special app, control the instrument through the special software, and store and upload the test data for easy reference.

🕮 Product specifications and technical parameters

project	Technical indicators and parameters	
Test current	AUTO、<20mA、40mA、200mA、1A、5A、10A	
Measuring range	0.5mΩ～0.8Ω （10A） 1mΩ-4Ω （5 A） 5mΩ-20Ω (1 A) 100mΩ-100Ω (200mA) 1Ω-500Ω （40mA）	Accuracy：±(0.2%+2words)
	100Ω-100KΩ （<20mA）	Accuracy：±(0.5%+2words)
Minimum resolution	0.1μΩ	
display	7 Inch Touch color LCD, resistance display, significant number is 4	
data storage	1000 groups	
Work environment	Ambient temperature:0℃～40℃, Relative humidity: <90%RH，no condensation	
Power supply	AC 220V±10V，50Hz±1Hz（fuse 2A）	
Maximum power consumption	200W	
Dimensions	360*290*170（mm）	
Weight	host：6.7kg line box：5kg	

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