

Dual-channel DC Resistance Tester

RDZR-5AS & RDZR-10AS

The DC resistance test of transformers is a must-test item for semi-finished products, finished products factory test, installation, handover test and preventive test of power department in transformer manufacturing. It can effectively discover whether there are manufacturing defects such as looseness, missing stocks, wire breakage, etc. in the selection, welding, and connection of the transformer coil and hidden dangers after operation. In order to quickly measure the DC resistance of the transformer, the instrument uses a new power supply technology. The instrument has the characteristics of small size, light weight and large output current. The whole machine is controlled by a single-chip microcomputer, which automatically completes the functions of self-inspection, data processing, and display, and has the functions of automatic discharge and discharge indication. The instrument has high test accuracy and simple operation, which can realize the rapid measurement of transformer direct resistance. RDZR-10AS Dual-channel DC Resistance Tester is designed for temperature rise measurement of three-core five-column large transformers. The charging and measuring speed is fast, which can meet the time requirements of the transformer temperature rise test. Dual-channel measurement, real-time sampling, and printout.





Product features

1. The instrument has large output current and high voltage.
2. Dual-channel measurement, measuring two resistance values at the same time.
3. It has a complete protection circuit and strong reliability.
4. The horizontal structure is convenient for on-site operation of the transformer factory.
5. With audible discharge alarm and clear discharge indication to reduce

misoperation



Product specifications and technical parameters

Picture		
Model	RDZR-5AS	RDZR-10AS
High-voltage side output current	<15mA, 40mA, 200mA, 1A, 5A	<15mA, 40mA, 200mA, 1A, 5A, 10A
Test range High voltage side		0.5mΩ~0.8Ω (10A)
	1mΩ~2Ω (5A)	
	5mΩ~10Ω (1A)	
	100mΩ~50Ω (200mA)	
	1Ω~250Ω (40mA)	
	10Ω~20kΩ (<15mA)	
Test range Low voltage side	100μΩ~500mΩ (20A)	
	200μΩ~1Ω (10A)	
	1mΩ~1.6Ω (5A)	
	5mΩ~4Ω (2A)	
Low-voltage side output current	2A, 5A, 10A, 20A	
Accuracy	±(0.2%+2 bite)	
Resolution	0.1μΩ	
Working temperation	0~40°C	

Environmental humidity	≤90%RH, no condensation
Power supply	AC220V±10%, 50Hz±1Hz
Dimension	448*463*177(mm)
NW	17.6kg



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