

## Ideal Transformer Winding Resistance Meter

### RDZR-20A & RDZR-40A & RDZR-50A

**Ideal Transformer Winding Resistance Meter** can be used for semi-finished products, finished product factory tests, installation, overhauls, after changing tap changers, handover tests and preventive tests of power departments. It can check the welding quality of the winding joint and whether there is a short circuit in the winding. It can detect the contact conditions of each position of the voltage tap changer and whether the actual position of the tap changer is consistent with the indicated position, whether the outgoing line is broken, and whether there is a broken strand in multi-strand conductor parallel winding. To meet the need for fast measurement of transformer DC resistance, our company developed the RDZR-50A Ideal Transformer Winding Resistance Meter. 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 Transformer DC Winding Resistance Tester has the advantages of high precision and easy operation and can realize the fast measurement of transformer direct resistance.



### Product Features

1. A high-speed single-chip microcomputer with high automation and easy operation controls the whole machine.
2. The instrument adopts new power supply technology, with many current ranges and a wide measurement range, which is suitable for DC resistance measurement of large

and medium transformers.

3. The protection function is perfect, which is reliable to protect the impact of back EMF on the instrument, and the performance is more reliable. 4. Sound alarm, clear discharge indication, and reduce operation mistakes.

5. Fast response.

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

7. 320x240 ultra-small pixel 65K actual color liquid crystal.

8. 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

9. The Ideal Transformer Winding Resistance Meter has RS232 and a USB interface, which can communicate with the computer and store it in a U disk.



## Product specifications and technical parameters

Model		RDZR-20A	RDZR40A	RDZR-50A
Measuring Current		<20mA、1A、2.5A、5A、10A、20A	<20mA、2.5A、5A、10A、20A、40A	<20mA、2.5A、5A、10A、20A、50A
Measuring Range	Accuracy: $\pm(0.2\%+2)$	100 $\mu\Omega$ ~1 $\Omega$ (20A) 500 $\mu\Omega$ ~2 $\Omega$ (10A) 1m $\Omega$ ~4 $\Omega$ (5A) 2m $\Omega$ ~8 $\Omega$ (2.5A) <b>5m<math>\Omega</math>~20<math>\Omega</math> (1A)</b>	<b>50<math>\mu\Omega</math>~500m (40A)</b> 100 $\mu\Omega$ ~1 $\Omega$ (20A) 500 $\mu\Omega$ ~2 $\Omega$ (10A) 1m $\Omega$ ~4 $\Omega$ (5A) 2m $\Omega$ ~8 $\Omega$ (2.5A)	<b>40<math>\mu\Omega</math>~400m (50A)</b> 100 $\mu\Omega$ ~1 $\Omega$ (20A) 500 $\mu\Omega$ ~2 $\Omega$ (10A) 1m $\Omega$ ~4 $\Omega$ (5A) 2m $\Omega$ ~8 $\Omega$ (2.5A)
	Accuracy: $\pm(0.5\%+2)$	10 $\Omega$ -20K $\Omega$ (<20mA)		
Minimum Resolution		0.1 $\mu\Omega$		
Display		LED Display		
		The resistance shows 4 significant digits		
Data Storage		1000 list		
Working Environment		Environment temperature: 0°C~40°C Relative humidity: <90%RH, No condensation		

Power Supply	AC 220V±10V, 50Hz±1 Hz
	Safety tube 10A
Maximum Power Consumption	1000W
Dimensions	400×225×350 (mm)
Weight	Host 15.1KG Line Box: 5.75KG



## Related Products



**RDZR-10A**



**RDZR-20A**



**RDZR-40A**



**RDZR-50A**



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