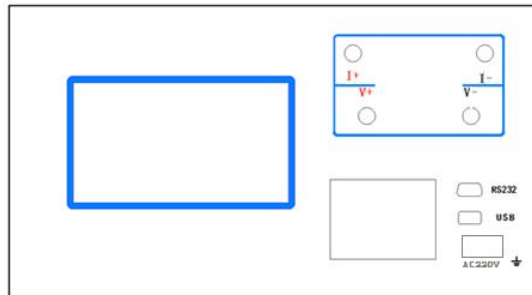


# Transformer DC Winding Resistance Tester

**Model: PS-ZD20**



## 1. overview

The DC winding resistance is very necessary for transformer manufacturer and the department of electrical test programs during transformer factory test, installation, repair, handover and commissioning sections. The transformer coil can effectively find the device welding, connecting parts loose, missing unit, disconnection, and other manufacturing default and other hidden danger occurred after operation.

In order to meet the needs of rapid measurement of DC resistance of transformers, we developed PS-ZD20 DC Resistance Tester. The instrument is a new powerful technology, small size, light weight, high output current and other characteristics.

The device is controlled by the microcontroller, with a high degree of automation, automatic discharge functions. It is a test instrument of high precision, simple, direct way to achieve fast transformer measurement.

## 2. Functional features

1. Whole instrument controlled by high speed SCM, high automatic degree and simple operation.
2. The instrument adopts advanced power supply technology, with multiple current position, test range is wide, suitable for testing DC resistance of large and medium size transformer.
3. Has a complete circuit protection, reliable.
4. Discharge alarm, discharge indicator clear, reduces misuse.

5. Intelligent power management technology, instrument is always working at minimum power state, effective energy saving, reduce heat.
6. Seven-inch high-brightness touch colorful LCD display
7. With calendar clock and power storage, can store 1000 groups data, can be check at any time.
8. The instrument has Bluetooth communication, RS232 communication and USB interface for computer communication and U disk data storage.
9. Self-contained micro printer, which can print measurement results.
10. Download the special APP, the instrument can connect to your mobile by bluetooth function to control the instrument throughout the special software, and the test data is stored and uploaded for easy reference.

### 3. Technical parameters

Item	Technical Specification	Remarks
Output Current	<20mA、1A、2.5A、5A、10A、20A	
Test Range	$100\mu\Omega\sim 1\Omega$ (20A) $500\mu\Omega\sim 2\Omega$ (10A) $1m\Omega\sim 4\Omega$ (5A) $2m\Omega\sim 8\Omega$ (2.5A) $5m\Omega\sim 20\Omega$ (1A)	Accuracy: $\pm(0.2\%+2\text{readings})$
	$10\Omega\sim 20K\Omega$ (<20mA)	Accuracy: $\pm(0.5\%+2\text{readings})$
Resolution	$0.1\mu\Omega$	
Data Storage	1000 groups	
Working Condition	Temperature: $0^{\circ}\text{C}\sim 40^{\circ}\text{C}$ Ambient humidity: $\leq 90\%\text{RH}$ , (non condensed)	
Power Supply	AC 220V $\pm$ 10V, 50Hz $\pm$ 1 Hz	Fuse 5A
Max Consumption	500W	
Dimension	Host: 405 $\times$ 230 $\times$ 355 (mm) Accessories: 360 $\times$ 260 $\times$ 180 (mm)	
Weight	Host:15KG Accessories:5.5KG	
Test Line	Standard 13m	Length can be customized