

■ PRODUCT INTRODUCTION

Handheld DC resistance tester, also known as transformer DC resistance tester, DC resistance fast tester, ground continuity tester, adopts microprocessor technology, four-wire method for testing, safe, precise and reliable. Mainly used to measure the resistance of transformer windings, transformer winding resistance, grounding down conductor continuity test, cable wire resistance, switches, connectors, contact resistance of relays, coils, motors, and equipment casings, lightning protection belts, and ground Connection resistance test between metal components of beams, structures, cabinets, steel bars, water pipes, windows, guardrails, radiators, assembly lines and other objects. It is widely used in telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, tower transmission lines, gas stations, factory grounding grids, lightning rods, etc.

Handheld DC resistance tester is composed of a host, monitoring software, test lines, communication lines, etc. The handheld and portable design of the host is convenient for on-site application, with charging function, no need to find electricity on site, full-color large-screen LCD display, clear at a glance, convenient and easy to use touch screen operation, and port overload prevention function. Large-capacity storage of 500 sets of data, resistance measurement range : 10.0 $\mu\Omega$ -50.00K Ω , measurement accuracy : 0.2%. The upper computer software has functions such as historical data reading, consulting, saving, and reporting.



Preliminary Data

■ TECHNICAL SPECIFICATIONS

Function	Is mainly used for measurement of transformer dc resistance, transformer winding resistance, network connectivity, cable conductor resistance, contact resistance of switches, connectors, relays, winding, motor, transformer winding resistance and metal riveting resistance, metal component coupling between resistance test, low resistance testing, contact resistance testing, etc.
Resistance range	10.0 $\mu\Omega$ -50.00K Ω
Resolution ratio	0.1 $\mu\Omega$
Precision	$\pm 0.2\%FS \pm 10dgt$
Detection method	The four-wire test
Measuring current	10A, 5A, 1A, 0.1A, 10mA, 1mA
Maximum short circuit current	10A
Overload protection	Yes
Self discharge	Yes
Power	DC12.6v 2500mAh large-capacity lithium battery
Charging function	Yes
Back light	Yes, suitable for dark places
Display mode	LCD Full-color display
Overflow shows	The "OL" symbol is displayed when the overrange overflow occurs
Touch screen operation	Yes
The LCD size	Length and width: 108mm \times 65mm
Size of instrument	Length, width and height: 240mm \times 188mm \times 85mm
The test line length	5 meters, 1 red, 1 black
USB interface	With USB interface
Line of communication	1 USB communication cable
Data storage	500 groups
View Data	Data access function

All Specifications are subject to change without prior notice.

Cell voltage	The battery power is displayed in real time, indicating that the battery should be charged in time when the battery voltage is low
Auto power-off	Turn off the meter after no operation for about 15 minutes
Power dissipation	Standby: approx. 116mA (20% brightness)
	Measurement: 27W Max
Weight	Instrument: 1100g(including batteries)
	Test line: 850g
Operating temperature and humidity	- 10°C~40°C,Below 70%rh
Storage temperature and humidity	-20°C~ 60°C,Below 70%rh
Insulation resistance	More than 10 m Ω (circuit between the shell and 500 V)
Withstand voltage	AC 3700V/ RMS (between circuit and housing)
Electromagnetic property	IEC61010-4-3, wireless frequency electromagnetic field $\leq 1V/m$
Suitable for safety	IEC61010-1 、 CAT III 600V 、 Pollution level 2 、 JG724-1991 <<VERIFICATION Regulation of DC Digital Ohmmeter>>, JJG166-1993 <<Verification Regulation of DC Resistor>>, <<VERIFICATION Regulation of DL/T967-2005 Circuit Resistance Tester and DC Resistance Rapid Tester>>
Accessories	Test Wire, , USB cable, Charger, Software CD, Specification and warranty certificate, Instruments box

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