



GDZRC-2A Transformer DC Winding Resistance Tester



General Information

GDZRC-2A Transformer DC Winding Resistance Tester (micro-ohmmeter) is a high-precision replacement of single-arm and double-arm DC electric bridges. It is an ideal instrument for measuring various inductive load resistances of power transformers and large motors, as well as the contact resistances of low-voltage switches, wires, cables and welding joints. The instrument is equipped with a rechargeable battery pack (12V), AC/DC use, applicable in the field.

Application standard

- DL/T 845.3-2004: General Specifications for Resistance Measurement Equipment Part 3: DC Resistance Meters
- DL/T 596-2005: Preventative Test Code for Electric Power Equipment
- GB1094.1-GB1094.6-96: Degrees of Protection Provided by Enclosure
- GB2900: Electrotechnical terminology
- GB/T16927.1~2-1997: High Voltage Test Techniques
- GB4793-1984: Safety Requirements for Electronic Measuring Apparatus
- GB191: Packaging-Pictorial Marking for Handling of Goods
- GB/T311-1997: Insulation Co-ordination for High Voltage Transmission and Distribution Equipment

Features

- Adopt advanced switching power supply technology, output current and output voltage are stable.
- 4 $\frac{1}{2}$ LCD display of test results, 3 $\frac{1}{2}$ LCD display of ambient temperature or test current value.
- The instrument has the advantages of fast speed, high precision, intuitive display, strong anti-interference ability, small size, low power consumption, stable and reliable test data, and is not affected by human factors.
- With automatic arc-suppression function.

Specification

Use conditions	Ambient temperature: 0°C~40°C; ≤85%RH
Measurement range	1mΩ~20mΩ; 20mΩ~200mΩ; 0.2Ω~2Ω; 20~200Ω; 200Ω~2kΩ
Measurement accuracy	Class 0.5
Resolution	1μΩ
Constant current source	2.00A (1uΩ~2Ω), 0.20A (2Ω~20Ω), 0.02A (20Ω~200Ω), 0.002A (200Ω~2KΩ)
Power supply	DC 12~16.8V (2.2Ah), lithium-ion rechargeable battery; AC220V, 50Hz (±10%)
Power consumption	≤15W
Size	335*275*175mm
Weight:	2.8kg