



GDZRC-5B Transformer DC Winding Resistance Tester



General Information

Measurement of transformer DC winding resistance is an important test item. Its purpose includes below:

- (1) check welding quality of internal wire and lead of winding;
- (2) check whether the tap switch is in good contact with each position;
- (3) check whether the winding or lead is broken;
- (4) check the correctness of the parallel branch, whether there is a winding made of several parallel wires with one or more broken points.
- (5) check whether there is a short circuit between the layers and turns.

Features

- The instrument interface design adopts microcomputer control, large screen backlight LCD display, easy to operate, user- friendly human-machine interaction interface, clear working status instructions, no need for operator to remember many procedures.
- The linear compensation technology of current source is adopted to improve the measuring efficiency and reduce the working intensity of operators. Technically, "four-terminal" measurement is adopted to eliminate measurement errors caused by lead resistance and contact.
- With over-voltage protection function, it can prevent counter electromotive force impact.
- Panel printer can quickly print the measurement results (optional).
- Small size, light weight, easy to carry.
- This instrument is suitable to measure and analyze the inductive low resistance of various power transformer and CT/PT winding.

Specification

Measurement range	0~20K Ω (4 steps in total)
Test current	5A(1m Ω ~400m Ω); 2A(30m Ω -5 Ω); 1A(50m Ω -10 Ω);

	0.1A(0.5Ω-20KΩ)
Resolution	1μΩ
Accuracy	1uΩ (±0.2%±2 digits)
Power consumption	≤30W
Use conditions	0°C~40°C; ≤ 85%RH
Withstand voltage	AC1.5kV 50Hz for 1 minute
Power supply	Internal lithium battery 2200mAh