



GDZRC-50U DC Winding Resistance Tester



General Information

GDZRC-50U DC Winding Resistance Tester is designed to measure DC resistance of inductive devices, such as transformers and power inductors. It has features of fast measurement, small size, light weight, large output current, perfect protection functions, good repeat-ability, good anti-interference ability, high accuracy, which make it an ideal equipment for measuring DC resistance of transformer winding and high inductive equipment.

Features

- Controlled by high-speed single chip microcomputer, highly automatic and easy to operate.
- Adopts the new power supply technology with multiple current steps and wide measurement range, which is suitable for DC resistance measurement of large and medium-sized transformers.
- Perfect protection functions, able to protect the instrument from the impact of counter EMF, with more reliable performance.
- Sound discharge alarm, clear discharge indication, less faulty operation.
- Fast response speed, the on-load tap-changer can be directly converted in the measurement state, and the instrument automatically refreshes the data.
- Intelligent power management technology. The instrument always works with minimum power, which saves energy and reduces heat effectively.
- 65K true color LCD of minimum 320X240 super small pixels.
- Equipped with a calendar clock and power failure data-store function, which can store 1000 sets of test data and can be reviewed at any time.
- Equipped with RS232 (reserved interface) and USB interface (for USB storage).

Specification

Output current	<5mA, 2.5A, 5A, 10A, 20A ,50A
Min. resolution	0.1 $\mu\Omega$

Measurement range	40 $\mu\Omega$ ~400m Ω	50A
	100 $\mu\Omega$ ~1 Ω	20A
	500 $\mu\Omega$ ~2 Ω	10A
	1m Ω ~4 Ω	5A
	2m Ω ~8 Ω	2.5A
	5m Ω ~20 Ω	1A
	10 Ω ~20K Ω	<5mA
Accuracy	$\pm(0.2\%+2\text{digits})$	
Operation temperature	0~40 $^{\circ}\text{C}$	
Humidity	<90%RH (no condensing)	
Size	400mm \times 225mm \times 350mm (L \times W \times H)	
Weight	17kg (without test wire) test wire box: 3kg	