



FULLY AUTOMATIC CONTACT RESISTANCE TESTER

Quality / Accuracy / Reliability

Introduction:

The good or bad of conductivity of breaker (hereinafter referred to as switch) conductive circuit, play an important role in guarantee the safety operation of switch. The conductivity performance can be reflected by the value of conductive circuit resistance. For this reason IEC standard and manufacturers all required testing the circuit resistance, and also have prescribed index for the circuit resistance of each kind switch. Before, normally use double bridge. But, because the voltage and current value are very small, when there are impurities between dynamic and static contact or the contact got surface oxidation, the dispersivity of test data is larger. At the same time, the anti-interference performance of bridge is not good, so the national standard requires that must test with DC more than 100A. The circuit resistance tester is a product developed by our company which in order to meet GB50150-2006 and DL/T 845.4-2004 regulations, and it was widely used in measurements of various switch's contact resistance, circuit resistance, cable and wire, weld joint contact resistance.

Performance features:

1. The test current value is big, completely conform the national standard requirement which related to contact resistance test.
2. The test current was came from the 100A/200A high precision switch type constant current power supply, without manual adjust, the test is rapid and accurate.
3. Adopt four terminal connections; effectively eliminate the influence to the test result from resistance of test wire.
4. Working long hours, equipped with overheat protection circuit; the instrument is reliable and steady.
5. The tester is equipped with RS232 and USB port.
6. Easy and simple operation, light weight.



Technical specification:

1. Test Current:

Model	Test Current
100A	50A、100A
200A	50A、100A、150A、200A

2. Testing Range:

Model	Test Current	Testing Range
100A	50A	1-3000μΩ
	100A	
200A	50A	
	100A	
	150A	
	200A	

3. Minimum resolution: 0.01μΩ

4. Accuracy: 0.5%±0.5μΩ

5. Output voltage: max 5V

6. Working mode: Automatically stop after around 60 seconds

7. Power supply: AC220V±10% 50Hz

8. Consumed power /Weight

Model	Power	Weight
100A	≤500W	5 Kg
200A	≤1000W	6 Kg

Product Specifications are subject to change without notice

Manufactured By:

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