SG5101

High Current Winding Resistance Meter

High performance is the key feature of these high current resistance meters based on the four point measuring technique. The instruments are especially designed and optimized for low resistance measurements in highly inductive circuits. The design responds to the needs of utilities and transformer manufacturers for a lightweight, portable unit with high accuracy and ease of operation.

Three Gorges Project is attracting worldwide attention. Transformer capacities monoblock 840 MVA . The best in the homeland. It was made together by Siemens Germany. Baoding Tianwei and Shenyang transformer factory, **SG5101** transformer direct-current electric resistance testing instrument have been to develop specially to resolve the difficult problem that temperature-rising tests have been suitable to the request that 220kV and the transformer above 220kV temperatures test. have passed the strict acceptance check , having reached advanced world level , have filed in the blank in homeland.

The test object temperature is measured and resistance readings are automatic temperature compensated for copper and aluminum windings using a standard or customized reference temperature.

An intrinsically safe discharge circuit dissipates the stored magnetic energy rapidly after the test. The discharge process is continuously monitored and clear indicators show when it is safe to remove the test leads.

Feature

- Adapt to the temperature rise test for 220kV and all above large-scale transformers
- The data is stable. Accurate within 2 minutes with 840 MVA transformer low voltage direct-current electric resistance to measure.
- Double channels demonstrate the measurement data at the same time.
- The data automatically print per 30 seconds.
- Match the conversion software of temperature rise. the value of temperature rise can handle automatically.

Technology specification

Output current:	100A , 50A, 25A
Output voltage:	80V
Range:	50μΩ～3.2Ω
Accuracy:	0.2%
Working environment:	
	Job power source: AC220V±10% , 50H_Z
	Working temperature: 0～40℃
	Environment humidity: ≤90%RH no forming dew

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