

GDHL-600 Automatic Contact Resistance Tester



I. Application

- High, middle and low voltage circuit breakers
- High, middle and low voltage disconnecting switches
- High-current bus bar joints
- Cable & welding joints

It is suitable for high current, micro-ohm measurement.

II. Features

- Two test modes: routine test and switch resistance test;
- Continuous output of high current;
- Test time is set at different steps or user-defined;
- With high speed thermal printer, test results are printed real-time;

- User-friendly man-machine interface, resistance, current, voltage, time and status are displayed on the same screen, more intuitive;
- Data storage function. Up to 256 groups of data can be saved and viewed;
- Wiring diagram and chart of referential resistance value for common switches are available;
- High automation and high security, fully touch screen operation;
- Ambient temperature and inner temperature tests are provided to protect the machine from damage;
- Standard resistor is set to compare the measured value and standard value;
- Resistivity at 20°C is calculated when conductor's length and cross section is set, convenient for user to evaluate the material of conductor.

III. Specifications

General parameters				
Power supply	AC220V±10%; 50±2Hz			
Work environment	Temperature -10 ~ +50°C, humidity≤85%RH (No condensing)			
Test conditions	Temperature 15 ~ +35°C, humidity≤85%RH (No condensing)			
Storage conditions	Temperature -20 ~ +70°C, humidity≤85%RH (No condensing)			
Size & weight	440*220*380mm, <30kg (without accessory bag)			
Cooling method	Air-cooled			
Insulation resistance	To ground >20MΩ			
Protection class	IP54			
Work method	Continuous working/ user-defined working			
Key parameters				
Current (A)	Measurement range	Accuracy		Min. resolution
10	1.000mΩ~200mΩ	1.000mΩ~199.99mΩ	1.0%RD+0.2%FS	1uΩ
100	0.01uΩ~40mΩ	0.01uΩ~999.99uΩ	1.0%RD+0.2%FS	0.01uΩ
		1.000mΩ~5.999mΩ	0.5%RD+0.1%FS	1uΩ
		6.000mΩ~39.99mΩ	1.0%RD+0.2%FS	1uΩ
200	0.01uΩ~20mΩ	0.01uΩ~999.99uΩ	1.0%RD+0.2%FS	0.01uΩ
		1.000mΩ~2.999mΩ	0.5%RD+0.1%FS	1uΩ
		3.000mΩ~19.99mΩ	1.0%RD+0.2%FS	1uΩ
600	0.01uΩ~2mΩ	0.01uΩ~999.99uΩ	1.0%RD+0.2%FS	0.01uΩ
		1.000mΩ~1.999mΩ	1.0%RD+0.2%FS	1uΩ