T-216

600A CONTACT RESISTANCE TESTER/MICRO-OHMMETER

The risk of overheating is becoming more serious due to the fact that today's distribution networks have to carry heavier loads. Checking contact resistances at regular intervals detects faults before they cause overheating. Bad contacts are the cause of failure or poor performance in a wide variety of electrical devices, while sufficiently high contact resistance can cause substantial heating in a high current device. Unpredictable or noisy contacts are a major cause of the failure of electrical equipment.

T-216 600A contact resistance tester are used to measure contact resistances in high voltage breakers, disconnecting switches (isolators), knife-contact fuses, bus joints, line joints etc. It adopts the top open structure or vehicle mounted horizontal chassis.

It has that vantage: more small volume, more light weight, more strong functions, and the simple operation. It designed for field tester design. The high output voltage is 10V. Display is 160*128 large LCD screen. Test current optionally, test time can be set, test process dynamic tips, suitable for different working environment.

The GFUVE T-216 is a 600 A micro-ohmmeter that measures resistances between 0.1 μΩ and 20mΩ at high currents. This functional instrument can provide test currents from 100 amps up to 600 amps DC subject to the load resistance and supply voltage and uses a four-terminal measurement technique to cancel the resistance of the test leads from the measurement.

Application

1. Universities;
2. Power plant;
3. Research institutes;
4. Electrical laboratory;
5. Switch manufacturers;
6. Busbar manufacturers;
7. Switch cabinet factory;
8. Electrical testing center;
9. Circuit breaker manufacturers;
10. Electricity power bureau & power company;
11. Power engineering commissioning company;
12. Electrical Department of industrial and mining enterprises;

Function & Features

1. Measures contact resistance in circuit breakers, disconnecting switches, busbar connections, safety devices, etc;
2. 600A large current output;
3. High precision 0.2%, the best resolution 0.1μΩ;
4. Easy to operate & auto testing;
5. Designed for rugged field use;
6. Using four wire method to measure contact resistance;
7. Highly flexible cable connections;
8. Portable and lightweight, weighs only 12 kg;
9. With internal installed 58mm wide thermal printer.;
10. Communication:with RS232 and USB communication interface;
11. Help : the instrument has internal help topic;

Parameters

Electrical parameters	
Power supply	Single phase AC 220V±10% or 110V±10%, 50/60HzAC
Cooling way	intermittent air cooled
Test method	Four wire
Current output	constant current: 100A, 200A, 300A, 400A, 500A, 600A
Test time	100A： 5-60Sec, 200A： 5-30Sec, 300-600A: 5-10Sec
Test range	0-20000.0μΩ (100Amp)
	0-10000.0μΩ (200Amp)
	0-6000.0μΩ (300A)
	0-5000.0μΩ (400A)
	0-4000.0μΩ (500A)
	0-3000.0μΩ (600A)
Accuracy	0.2%±2bit
Resolution	0.1μΩ
Max storage volume	200
LCD	5.7”black and white LCD display
Communication	RS232 and USB communication interface
Printer	internal installed 58mm wide thermal printer.
Cable length	3m, 400mm²
Degree of protection	IP65
Standard	IEC61010-1, IEC61326-1, DL/T 596-2005, DL/T 845.4-2004, JJG 1052-2009

Mechanical parameters	
Dimension (L×W×H) (mm)	480x320x140
Weight (kg)	12
Environmental conditions	
Operating temperature	-20°C to 50°C
Storage temperature	-40°C to 70°C
Relative humidity	≤85%RH

Accessories