

## T-212

### CONTACT RESISTANCE TEST SET WITH 200A & 600A

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. T-212 600A Contact Resistance Test Set are used to measure contact resistances in high voltage breakers, disconnecting switches (isolators), knife-contact fuses, bus joints, line joints etc.

T-212 contact resistance tester 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. It can save 200 test record, the records can be printed and uploaded to the computer.

### Application

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

### Function & Features

1. Easy to operate;
2. Designed for rugged field use;
3. Highly flexible cable connections;
4. Help : the instrument has internal help topic;
5. High precision 0.2%, the best resolution 0.1 $\mu\Omega$ ;
6. Using four wire method to measure contact resistance;



7. Portable and lightweight, weighs only 7.5 kg;
8. With internal installed 58mm wide thermal printer.;
9. Communication:with RS232 and USB communication interface;
10. Measures contact resistance in circuit breakers, disconnecting switches, busbar connections, safety devices, etc;

## 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             | 8m, 400mm <sup>2</sup>                               |
| Degree of protection     | IP65   |
| Standard                 | DL/T 596-2005, IEC61010-1, IEC61326-1                |
| Mechanical parameters    |  |
| Dimension (L×W×H) (mm)   | 415x319x168  |
| Weight (kg)              | 7.5 (200A Version), 14 (600A Version)                |
| Environmental conditions |  |
| Operating temperature    | -10°C to 50°C  |
| Storage temperature      | -20°C to 70°C  |
| Relative humidity        | ≤85%RH   |

## Accessories

