

RDCZ-II Disconnecter Contact Pressure Tester

The disconnector is the high-voltage switchgear with the largest usage and the widest application range in the power system. The operating conditions of the disconnector are relatively harsh, and it is prone to mechanical or electrical failures. In particular, the contact finger contact



part is easily affected by rainwater, dust and harmful gases, resulting in poor contact and heat generation. The springs that provide pressure for the contact fingers will be annealed due to heat generation, causing the pressure to decrease. This will further lead to the contact fingers heating up, forming a vicious cycle and eventually burning out the contact fingers and causing accidents.

In response to the current maintenance status of the power generation and supply systems, our company has independently developed an intelligent tester for measuring the contact finger pressure of high-voltage disconnectors. As long as the sensor of the test clamp simulating the contact head is opened at the contact position of each pair of contact fingers, it can display and record the contact pressure of the contact fingers at that time. It has effectively solved a major problem in measuring the contact finger pressure.



Product Features

1. Small in size, light in weight, portable and easy to operate.
2. Backlight liquid crystal display screen.
3. Built-in lithium battery.
4. The instrument is equipped with a micro printer, which can print test reports and graphs.



Product specifications and technical parameter

1. Working environment:

Temperature: -10°C to 40°C, Humidity: ≤80%RH, Atmospheric pressure: 86 kPa to 106 kPa

2. Measurement range: ≤1000 N, Error: ≤1% of reading ±1N

3. Measurement diameter (contact finger opening distance): 20mm to 90mm (conventional),

Note: Less than 20mm and greater than 90mm (customizable), Tulip contact fixture (customizable)

4. Power supply: Built-in lithium battery in the machine ≤20 W, Power supply working time ≥6 hours

5. Charging method: Use a special charger to connect to the lithium battery charging interface on the panel for charging;

6. Sensor signal line length: 10m

7. Insulation resistance: > 2MΩ

8. Dielectric strength: The power supply withstands a 1.5kV power frequency voltage against the casing for 1 minute without flashover and arc-over.



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