



GD8000 Power Transformer Demagnetization Tester



General Information

GD8000 power transformer demagnetization instrument is to eliminate hazards of the residual magnetism after the DC resistance test of large power transformers. It can protect power transformer from inrush current impact, also has an extremely important role in safety commissioning.

Due to the inherent hysteresis of the ferromagnetic materials, after the transformer voltage ratio, DC resistance measurement, the residual magnetism will remain in the transformer core. When the transformer put into operation, the residual magnetism will make transformer core in half saturation and generate a large number of harmonics in excitation current, which will increase the reactive power consumption

of transformers and may cause malfunction of relay. Therefore, we should do the demagnetization work to ensure safe running before the transformer put into operation.

Features

1. Using patented technology - DC frequency attenuation technique
2. Three phases transformer, only demagnetization B phase to complete whole work
3. Automatic judgment, 16AD data collected and processing function
4. demagnetization mode is automatic and manual.
5. Fast demagnetization, no more than 4mins.
6. demagnetization effect is obvious, automatic over 90%/time
7. Current lines of DC resistance testing can be directly used, easily matched with DC resistance test
8. Display the demagnetization current, time and schedule.
9. Suitable for 35kV and above power transformer and PT/CT, especially for 330 kV and above voltage level of large capacity transformer.
10. Small size and light weight, most suitable for field testing.

Specifications

1. Demagnetization current: 5A, 1A, 200mA, 5mA (Can be customized)
2. Demagnetization way: Manual or Automatic mode.
3. Demagnetization: Manual:4min/time, automatic 9min/time .(no need to consider voltage grade and capacitor)
4. Demagnetization effect: over 90%/times
5. Demagnetization process: 0-100% Automatic recording and erasing time
6. Working power: AC220V±10%, 50Hz±1Hz
7. Temperature: -25°C - 50°C, RH≤90%.
8. Weight: 5kg (net weight) not including the connection wire