



DMAG.105

Product Overview

DMAG Power transformer demagnetization instrument is designed to eliminate hazards of the residual magnetism after the DC resistance test of large power transformers.

The DMAG instrument can protect power transformer from inrush current impact and has an extremely important role in safely commissioning.

Due to the inherent hysteresis loss formula of the ferromagnetic materials, after the transformer voltage ratio, DC resistance measurement has been performed the residual magnetism will remain in the transformer's core.

When the transformer is placed into operation, the residual magnetism will cause the transformer core to half saturation and generate a large number of harmonics in excitation current, which will increase the reactive power consumption of transformers and may cause a malfunction on the relay.

We should do demagnetization to ensure safe running before the transformer is placed into operation.

Technical Specifications:

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

Standard Accessories:

• DMAG.105 Main Unit	1
• Accessory case	1
• Testing wire	2
• Power cord	1
• Ground cable	1
• Fuse	2
• User's Guide	1

Key Features:

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