CHARACTERISTICS

According to the requirements of the power equipment preventive test regulation "DL / T 596-2004", the DC resistance of the transformer winding must be measured in the transformer handover, overhaul, minor repair, changing the joint position, fault inspection and pre-test.

Intelligent three-channel auxiliary magnetic DC resistance tester is a new generation of transformer DC resistance test instrument, is a single phase test and three identical test and integrated intelligent test instrument. The instrument does not introduce the center point and can automatically calculate the phase resistance of D transformer; and it has the demagnetization function, the whole process of the instrument test is controlled by the single controller, the test data is stable and accurate, has perfect reverse potential protection function and field anti-interference ability, which is suitable for the rapid test of DC resistance of large power transformer.

This instrument adopts top open type or vehicle-mounted structure, small volume, light weight, strong function, simple operation, specially designed for production and field testing personnel. Large screen 320×240 LCD Chinese display, especially suitable for multi-junction on-load switch continuous flow continuous test, measurement process dynamic prompt, automatic arc elimination current indication and sound and light indication alarm, test records can be edited user information to save and print. The test results adopts the table mode, which can display the direct resistance of each transformer with tap switch at the same time and automatically calculate the imbalance rate, which can greatly shorten the measurement time and improve the work efficiency. Such as the data management software, the saved data is transmitted to the U disk through USB, saving, printing, emptying and other operations, or directly through the host computer operation test, the saved file format is Excel or txt file format.

The product selection

Type selection	Test current
□-10Amp	10A, 5A, and 1A (5A+5A, 1A+1A)
□-20Amp	20A, 10A, 5A, and 1A (10A+10A, 5A+5A, 1A+1A)
□-40Amp	40A, 20A, 10A, 5A, and 1A (20A+20A、10A+10A、5A+5A、1A+1A)
□-50Amp	50A、25A、10A、5A、1A (25A+25A、10A+10A、5A+5A、1A+1A)

Technical specifications

1. Classification environment group: belongs to the group instrument in GB6587.1-86 General Test of Electronic Measurement Instruments (can be used in the field environment).

2. Structure, form and size:(portable type)

Type: portable type

Main engine overall dimensions: 410mm×320mm×185 mm

Packaging: aluminum alloy chassis

Mass: 10 Kg

3. Use power supply: ◇ working power supply: voltage AC220V± 10%, frequency 50Hz ± 10%

current output:

10A model: three channels: 5A + 5A, 1A + 1A

Single channel: 10A, 5A, and 1A

Model 20A: three channels: 10A + 10A, 5A + 5A, 1A + 1A

Single channel: 20A, 10A, 5A, and 1A

Model 40A: three channels: 20A +20A, 10A + 10A, 5A + 5A, 1A + 1A

Single channel: 40A, 20A, 10A, 5A, and 1A

Model 50A: three channels: 25A +25A, 10A + 10A, 5A + 5A, 1A + 1A

Single channel: 50A, 25A, 10A, 5A, and 1A

4. Use environment: Ambient temperature: -20℃ ~50℃

Relative humidity: 80%

Working mode: air-cooling

5. Test index:

Temperature: -55℃ ~ + 125℃

Test range: 1m Ω ~200 Ω

50A：1mΩ～0.5Ω

25A：1mΩ～1Ω

20A: 1m Ω ~1 Ω (20A model)

10A：1mΩ ～2Ω

5A：10mΩ ～5Ω

1A：1Ω ～200Ω

Accuracy: 0.2% reading ± 2 words

Highest resolution: 0.1 μ Ω