RDBK-III Transformer No Load Tester

The Transformer No Load Tester is specially used for testing no-load loss, load loss, short-circuit impedance and zero sequence impedance of transformer. This instrument is suitable for measuring low voltage short-circuit impedance of 35kV and above main transformers under on-site and laboratory conditions. The instrument is exquisitely designed, with superior performance and powerful functions. It adopts the latest single-chip microcomputer testing technology at home and abroad, as well as advanced A/D synchronous AC sampling and digital signal processing technology, ensuring accurate measurement data; Externally, it adopts a large screen color LCD display, menu prompts, simple operation, equipped with a high-speed thermal printer, and designed with storage function to facilitate data storage and printing; The saved data can be transferred to the computer through USB. The instrument is small in size, light in weight, easy to carry, and extremely convenient for on-site use, greatly reducing the labor intensity of testing personnel and improving work efficiency.

🕮 Product Features

1. The instrument is capable of measuring single-phase impedance, three-phase impedance and zero-sequence impedance (connection with a neutral point).
2. Automatically calculate the impedance voltage percentage of the transformer converted to rated temperature and rated current, as well as the error percentage with the nameplate impedance.
3. The test results are automatically converted, with frequency correction, temperature conversion, and current conversion, improving the comparability of test data.
4. The Transformer No Load Tester has two power modes: an internal power supply

and an external single-phase voltage regulator.

5. The measuring range of voltage and current is wide and the accuracy is high.
6. Easy operation with a 7.0-inch touch screen
7. Built-in high-capacity non-volatile memory for 160 sets of data.
8. Built-in high-speed micro thermal printer for printing measurement data.
9. Built-in high-precision clock for real-time time display.
10. USB storage function available.

🕮 Product specifications and technical parameters

1. Voltage range: 15V ~ 500V (PT extension), accuracy: ±(0.2%rdg ±0.05%f.s)
2. Current range:

0.5A ~ 15A (internal), accuracy: ±(0.2%rdg ±0.05%f.s)

0.5A ~ 50A (external) (can CT extension), accuracy: ±(0.2%rdg ±0.05%f.s)

3. Impedance range: 0 ~ 100%
4. Power factor:

0.02 < Cos φ < 0.1, accuracy: ±(1.0%rdg ±0.05%f.s)

Cos φ ≥0.1, accuracy: ±(0.5%rdg±0.05%f.s)

5. Frequency measurement: 45 ~ 65Hz
6. Resolution: 5 significant digits
7. Ambient temperature: -10°C to 50°C
8. Ambient humidity: ≤85%RH, non-condensing
9. Operating power supply: AC220V ±10%

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