T-215

TRANSFORMER CAPACITY LOAD NO-LOAD TESTER

The T-215 transformer capacity load no-load tester is a new generation of transformer parameter test instrument, suitable for short circuit impedance measurement of transformer winding deformation, transformer capacity analysis and transformer (three-phase or single phase) factory, overhaul, handover test of no-load and load loss parameters. The instrument is exquisitely designed, Superior performance, powerful, The latest domestic and foreign microcontroller test technology and advanced A / D synchronous AC sampling and digital signal processing technology; Built-in lithium battery working power supply, Can be connected to three-phase voltage regulating power supply; Using a large-screen LCD display, The Chinese menu prompt, simplicity of operator, Equipped with a high-speed thermal-sensitive printer, Design with a storage function, Convenient for data storage and printing. The transformer tester is small in size, light in weight, easy to carry, the field use is very convenient, greatly reduce the labor intensity of the test personnel, improve the work efficiency.

Application

1. Power plant;
2. Universities;
3. Research institutes;
4. Electrical testing center;
5. Transformer manufacturers;
6. Voltage transformer factory;
7. Railway electrical department;
8. ISO17025 Electrical laboratory;
9. Electricity power bureau & power company;
10. Power engineering commissioning company;
11. Electrical Department of industrial and mining enterprises;

FUNCTIONS

1. Transformer capacity test
2. Transformer harmonic analysis
3. Transformer no-load current test
4. Transformer load loss & no-load loss test
5. Transformer zero sequence impedance test
6. Transformer winding short-circuit impedance test

FEATURES

1.It can measure transformer winding short-circuit impedance, zero sequence impedance, load loss, no-load loss, no-load current, capacity, etc.

2. It can measure electrical parameters such as effective voltage, current, power, power factor, frequency, harmonics, etc.

3. Compatible with the loss level data of various dry-type or oil immersed distribution transformers for capacity judgment, and the database can be updated at any time.

4. All data are measured synchronously within the same cycle to ensure the accuracy and rationality of the measurement results.

5. When conducting short load testing, direct measurement can be carried out within the allowable measurement range of the instrument. If it exceeds the measurement range, an external voltage transformer and current transformer can be connected.

6. Automatic waveform distortion correction, automatic conversion of test results without any manual calculation.

7. Built in non power down memory can store 9999 measurement data, which can be saved for a long time and can be accessed at any time.

8. The built-in micro printer can print all test results or store records.

9. 7-inch color touch screen display, all English or Chinese menus and operation prompts, intuitive and convenient.

10. Voltage measurement range AC 0～850V, current measurement range AC 0.01～100A.

11. Non power down calendar and clock function.

12. It can upload test data to the computer by RS232.

13. Mobile USB function, which can transfer all test data saved in the instrument to a mobile USB drive.

Parameters

Electrical parameters	
Power supply	Single phase AC 220V±10% or Rechargeable Li-battery 25V/2A
Accuracy	0.1%
Voltage range	0 - 850V AC
Current range	0.01A - 100A AC
Frequency	40-70Hz
Power factor	-1.0 - 0 - 1.0
Acitve Power	0.2%(PF>0.1); 0.5%(0.05<=PF<0.1

Electrical parameters - continued	
Capacity test	
Capacity	10%
LCD	7 inch color touch TFT LCD display
Key	24PCS
Test Cable	8 m
Calipers	4pcs (big), 4pcs (small)
Communication Port	RS232, USB
Printer	internal installed 58mm wide thermal printer.
Degree of protection	IP65
Standard	IEEE C57.152-2013, IEC 60076-1:2011, AS/NZS 60076.1:2014, CIGRE 445, IEC61010-1, IEC61326-1
Mechanical parameters	
Dimension (L×W×H) (mm)	365x320x165
Weight (kg)	5
Environmental conditions	
Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 70°C
Relative humidity	≤90%RH