

Transformer Induction Withstand Voltage Tester AN96810(F)



Product Introduction

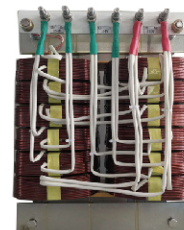
- The Transformer Induction Withstand Voltage Tester is mainly used in transformer industry.
- In addition to the main insulation of the transformer, that is, the insulation between the windings and between the winding and the iron core, the transformer has another important insulation performance index - vertical insulation. Vertical insulation means the insulation of transformer windings at different points and parts with different potentials, including turn-to-turn, between the layers and between the segments. The "Induction voltage test" in national standards and International Electrotechnical Commission (IEC) standard is one of the test methods to test the vertical insulation of the transformer.
- Ainuo AN968 Series Transformer Induction Voltage Analyzer is a professional equipment to test the vertical insulation performance of the transformer, using multi unique and international leading technologies with excellent high-accuracy active power measurement, to effectively used for determination of interturn short circuit in some microelectronics transformers.
- In micro-electronic transformers, due to high number of turns (more than a few thousand) and thin wire (enameled wire diameter of 0.1mm or less), for several or dozens of turns of short circuit, compared with normal transformers, the test current under doubling frequency doubling voltage changes less, while the change to active power is obviously (the change is generally about 50% for 10 turns short circuit). Experiments show that in case there is interturn short circuit, the power factor of the transformer changes greatly, the active power changes greatly, so it can be used as an auxiliary test means to more accurately judge the performance of the transformer.
- Current, power and power factor indicator can be used to identify the inter-turn short circuit of the transformer. Power measurement is the best basis for determination. AN968 analyzer adopts fast identification to simulate non-destructive testing, no damage to the tested transformer, to ensure accurate testing, high efficiency, ideal for labs and transformer line.

Features

- Wide voltage range: 200~1200V;
- Wide frequency range: 50-600Hz;
- Measurement: voltage, current, frequency, active power;
- Key lock, humanization design to prevent mis-operation;
- HD VFD display;
- Standard RS232 port, optional RS485 port or remote control port.

Applications

- Transformer induction withstand voltage test



Specifications

Model		AN96810(F)	
capacity		1200VA	
Input	Voltage、Frequency	Single-phase 2 wires +PE; Phase voltage: 220V±22V; Frequency: 50Hz±2.5Hz	
AC	Voltage、Frequency	Single-phase 2 wires, 200.0~1200.0V, 50.0~600.0Hz	
	Rated Current	1A	
	Setting	Voltage	Resolution: 0.1V, Accuracy: 1%×reading value+0.2%×full scale value
		Frequency	Resolution: 0.1Hz, Accuracy: 0.1%
	Testing	Voltage	Resolution: 0.1V, Accuracy: 1%×reading value+0.2%×full scale value
		Frequency	Resolution: 0.1Hz, Accuracy: 0.1%
	Accuracy	current	Resolution: 0.1mA/1mA, Accuracy: 1.5%×reading value +0.5%×full scale value
		Power	Resolution: 0.01W/0.11W; Accuracy: 1.5%×reading value +0.5%×full scale value (10% and above of voltage range & 5.0mA and above of current output)
	output	Frequency stability	≤0.1%
		Voltage distortion	Linear load: 200~400V: THD≤5%; Above of 400V: THD≤3%
Transient recovery time		20ms	
Source voltage effect		≤1%	
Load effect		≤1%	
Machine zero load power consumption		< 120W	
Protection		Short circuit, overload, power device overheat, current/power overlimit	
Function	Display	VFD display	
	Online adjustment function	Output voltage and frequency can be adjusted online	
	Memory function	Power down memory function, memory last output mode and parameters;	
	Communication	Standard: RS232; Optional: RS485、Analog control port	
Environment	Temperature and humidity	0~40℃, 20~90%RH	
Dimension W×H×D(mm)		483×200×500	
Weight (Kg)		35	