

HF-TC-614

Transformer Short Circuit Impedance Tester



Transformer Short Circuit Impedance Tester automatically tests short-circuit impedance, impedance voltage and winding reactance of power transformers. It outputs stable test data with high measuring precision, supporting factory delivery inspection and regular on-site maintenance tests for power stations and manufacturing plants.

Key features

- Uses phase-locked loop technology for synchronous sampling of AC signals to guarantee high accuracy of measured data.
- Capable of measuring voltage, current, power, frequency and other electrical parameters.
- Wide built-in voltage and current measurement ranges; external CT and PT access is supported to further expand test ranges.
- Non-volatile internal memory stores test data long-term; integrated thermal printer is configured for on-site report output.
- Test data can be exported to computers for deep analysis and permanent file archiving.

Technical specifications

Parameter	Value
Measurement Accuracy - Voltage / Current	Class 0.2
Power Accuracy	Class 0.5 ($\cos\phi > 0.1$); Class 1.0 ($\cos\phi \leq 0.1$)
Impedance Accuracy	Class 0.5 ($\cos\phi > 0.1$); Class 1.0 ($\cos\phi \leq 0.1$)
Voltage Measurement Range	AC 3 V ~ 300 V
Internal Power Output	Voltage 0 ~ 250 V; Current 0 ~ 10 A
Current Measurement Range	AC 0.2 A ~ 20 A
Operating Temperature	-10 °C ~ 50 °C
Operating Humidity	0 ~ 80% (non-condensing)
Power Supply	AC 220 V $\pm 10\%$, 50 Hz ± 1 Hz
Overall Dimension	360 × 220 × 150 mm
Net Weight	5 kg

Standard scope of supply

No.	Item	Qty	Notes
1	Main tester unit	1 Set	Built-in power supply & printer
2	High voltage test cables	3 Piece	Red / yellow / black
3	Current test wires	3 Piece	Matched wiring terminals
4	Alligator clips	6 Piece	For transformer winding connection
5	Power cord (AC220V)	1 Piece	Mains input cable
6	USB data transmission cable	1 Piece	For data upload to PC
7	Thermal printer paper rolls	2 Roll	Spare printing consumables
8	Operation manual (English + Chinese)	1 Copy	With technical parameters
9	Calibration certificate	1 Copy	Factory calibration report
10	Hard carrying case	1 Piece	Shockproof portable packaging
11	Fuse spare parts	2 Piece	Internal backup fuses

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.