

HF-IT-202

Variable Frequency Instrument Transformer Tester



The Variable Frequency Instrument Transformer Tester adopts variable frequency testing technology to comprehensively detect excitation, winding and error characteristics of CT and VT. It delivers high precision measurement, greatly adapting to on-site power inspection and laboratory calibration requirements.

Key features

- Adopts advanced low-frequency test principle, supporting CT tests up to 400kV high-voltage grade.
- Extremely easy operation: one-key completion of CT winding resistance, excitation, ratio and polarity tests. Except burden measurement, all items adopt identical wiring scheme.
- User-friendly full Chinese graphical interface with built-in panel printer to print curves and test data on demand.
- Large-capacity memory stores over 2000 groups of test data with permanent data retention.
- Test data can be exported to USB flash drive for post-processing analysis on computers and automatic WORD report generation.

Technical specifications

Parameter	Value
Input Power Supply	Voltage: AC 220V $\pm$ 10% Frequency: 50/60Hz
Output	Voltage: 0~180Vrms Current: Max 12Arms, 36A (peak value)
CT Ratio Measurement	Range: 1 ~ 40000 Accuracy: $\pm$ 0.2%
PT Ratio Measurement	Range: 1 ~ 40000 Accuracy: $\pm$ 0.5%
Phase Measurement	Accuracy: $\pm$ 3min Resolution: 0.3min
Secondary Winding Resistance Measurement	Range: 0~300ohm Resolution: 1mohm Accuracy: 3% $\pm$ 1mohm
AC Burden Measurement	Range: 0~300VA Resolution: 0.01VA Accuracy: 0.2% $\pm$ 0.1VA
Ambient Conditions	Operating Temperature: -10°C ~ +50°C Storage Temperature: -10°C ~ +50°C Relative Humidity: 5% ~ 95%, non-condensing
Overall Dimensions	340mm $\times$ 296mm $\times$ 174mm
Net Weight	Less than 9kg

Standard scope of supply

No.	Item	Qty	Notes
1	Variable Frequency Instrument Transformer Tester Main Unit	1 Set	Integrated host with built-in printer
2	High Voltage Test Connecting Cables	1 Set	Complete wiring leads for CT & PT testing
3	AC Power Cord (220V)	1 Piece	For equipment power supply
4	User Operation Manual	1 Copy	English & Chinese bilingual version
5	Factory Calibration Test Certificate	1 Copy	Official metering certification document
6	Thermal Printing Paper Rolls	2 Rolls	Spare paper for onboard printer
7	USB Flash Drive	1 Piece	For exporting test data & reports
8	Shockproof Portable Carrying Case	1 Piece	Anti-collision shell for field transportation
9	Spare Fuses	2 Pieces	Consumable spare parts

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.