

HF-TC-601

Transformer Turns Ratio Tester



This Transformer Turns Ratio Tester performs three-phase ratio detection, vector group identification and blind measurement for transformers, CT and PT. It covers a broad measuring range up to 10000 with reliable precision and complete circuit protection. Equipped with a high-brightness display, thermal printing and dual data storage, it greatly boosts efficiency for field power inspection and commissioning tasks.

Key features

- Adopts full three-phase sine wave inverter power supply with automatic output voltage regulation, as well as soft start and soft stop functions to ensure fast testing and high precision.
- Supports blind measurement, which enables turns ratio and vector group detection without prior knowledge of the high-low voltage winding connection mode.
- On the basis of testing standard transformers and Z-type transformers as well as PT samples, it adds CT turns ratio and polarity testing capability for wider application scenarios.
- Boasts a wide measuring range and high precision. The maximum measurable turns ratio reaches 10000, with guaranteed accuracy of 0.3% at the full-scale range of 10000.
- Built-in comprehensive protection mechanisms including reverse connection protection and output short-circuit protection.

Technical specifications

Parameter	Value
500 < Ratio <= 3000	±(0.2% of reading + 2 digits)
Ratio > 3000	±(0.3% of reading + 2 digits)
Power Supply	AC 220V ±10%
Power Frequency	50/60 Hz
Operating Temperature	-10°C ~ 50°C
Relative Humidity	<=90%, non-condensing
Main Unit Weight	3.8 kg (excluding test leads)
Overall Dimension	325mm (L) × 225mm (W) × 125mm (H)

Standard scope of supply

No.	Item	Qty	Notes
1	Main Tester Unit	1 Set	
2	Test Leads	1 Set	
3	Power Cord	1 Piece	
4	Operation Manual	1 Copy	
5	Inspection Report	1 Copy	
6	Certificate of Conformity	1 Piece	

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.