

HF-TC-617

Transformer Capacity Characteristic Tester



This Transformer Capacity Characteristic Tester accurately identifies transformer real capacity and measures no-load loss, load loss, impedance voltage. It features high measurement precision, auto-ranging design, suitable for factory production and on-site substation inspection of dry and oil-immersed transformers.

Key features

- It can accurately measure the capacity of various distribution transformers with passive measurement, delivering convenient and reliable testing.
- Built-in power supply; the unit automatically generates high-power three-phase test power.
- Capable of measuring no-load current, no-load loss, short-circuit voltage and short-circuit loss of various transformers.
- Accurately identify transformer models via no-load tests, covering S7, S9, S11, S13, S15 oil-immersed transformers and dry-type transformers such as SCB9, SCB10, SCB11.
- Measures harmonic content and total harmonic distortion (THD) of voltage and current.

Technical specifications

Parameter	Value
Active Part	Voltage measurement range: 0~10V Current measurement range: 0~10A
Passive Part	Voltage measurement range: 0~750V, wide range Current measurement range: 0~5A~100A, internal dual-range
Voltage	±0.2%
Current	±0.2%
Power	±0.2% (CosPhi>0.2), ±0.3% (0.02<CosPhi<0.2)
3. Operating Temperature	-10°C ~ +40°C
4. Charging Power Supply	AC 160V~260V
5. Insulation	(1) Insulation resistance between voltage/current input terminals and chassis >=100Mohm (2) Power input terminals withstand power frequency 2kV (RMS) for 1 minute test against enclosure
6. Main Unit Dimensions	32cm×24cm×13cm
7. Weight	3kg

Standard scope of supply

No.	Item	Qty	Notes
Main Tester Unit	1	1	
Power Cable	1	1	
Voltage Test Cables	2	2	
Current Test Cables	2	2	

No.	Item	Qty	Notes
Alligator Clips Set	1 set	1 set	
User Manual	1	1	
Certificate of Calibration	1	1	
Carry Hard Case	1	1	

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.