

HF-IT-206

Voltage Transformer Burden Tester



This voltage transformer burden tester precisely measures the secondary burden impedance of voltage transformers. It supports on-site testing to check VT operating status and ensures accurate metering in power substations.

Key features

- Confirm the VT secondary circuit is in normal operating status, then connect test leads to the corresponding secondary terminals.
- Power on the tester and select the VT secondary burden measurement mode.
- Set relevant transformer parameters according to on-site conditions and start measurement.
- Read impedance, admittance and burden data after stable sampling. Save records if needed.
- After testing, power off the instrument and remove all connecting wires safely.

Technical specifications

Parameter	Value
Model	Model HF-IT-206
Test Purpose	Application Measure secondary circuit voltage drop error of voltage transformers
Operating Conditions	Operating Temperature 5°C ~ 40°C
Relative Humidity	<85% (at 25°C)
Altitude	<2500 m
Operating Frequency	50Hz±1Hz
Operating Voltage	220V±5V
Secondary Voltage Drop Section	Measuring Range Ratio error: 0.001% ~ 19.99%; Phase error: 0.01' ~ 599'
Resolution	Ratio error: 0.001%; Phase error: 0.01'
Basic Instrument Error	$DX = \pm(2\% \times X + 2\% \times Y) \pm 2 \text{ digits}$ $DY = \pm(Y \times 2\% + X \times 2\% \times 34.38) \pm 2 \text{ digits}$
Voltmeter Accuracy	0.5%
Operating Voltage Range	50 ~ 120 V
Alarm Threshold (Error Prompt)	Ratio error>20% or phase error>600'; Voltage <2.0 V
PT Secondary Burden Section	PT Secondary Burden Test Admittance measuring range: 0.1ms ~ 50.0ms Secondary voltage: 50V ~ 120V
Voltmeter Accuracy	0.5%
CT Secondary Burden Section	Impedance Measuring Range 0.1ohm ~ 50.0ohm
Impedance Measurement Accuracy	$DX = \pm(2\% \times X + 2\% \times Y) \pm 2 \text{ digits}$ $DY = \pm(2\% \times X + 2\% \times Y) \pm 2 \text{ digits}$
Ammeter Accuracy	1%
Physical Characteristics	Dimension 260×350×150 mm
Weight	≈6kg (excluding accessories)

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.