

HF-TC-647

Transformer Winding Deformation Tester



This Transformer Winding Deformation Tester adopts frequency response analysis method. It compares characteristic curves to judge winding displacement, distortion and short-circuit faults, widely used for transformer handover and preventive tests.

Key features

- Interface between tester and PC: Wireless Ethernet
- Two high-speed parallel AD conversion channels; sampling rate: 20Msps per channel
- Quantization resolution of acquisition channel: 12-bit
- Static error of acquisition channel: 0.5%
- Input impedance of acquisition channel: 1Mohm

Technical specifications

Parameter	Value
SFRA Sweep Frequency Test	Communication Wireless Ethernet
AD Channel	2 channels, 20Msps, 12-bit
Static Error	0.5%
Input Impedance	1Mohm
Frequency Range	1kHz ~ 2MHz
Sweep Points	3000 points
Frequency Precision	<=0.01%
Standard	DL/T911-2004
Low Voltage Impedance Test - Voltage	Measuring Range 25V□500V (Max 600V)
Accuracy	0.1%
External PT Ratio	1 ~ 1000
Low Voltage Impedance Test - Current	Measuring Range 0.5A□50A (Max 60A)
Accuracy	0.1%
External CT Ratio	1 ~ 10000
Impedance	Measuring Range 0 ~ 100%
Accuracy	0.1%
Power & Power Factor	Power Range 15W□10kW
Active Power Accuracy	0.2%(PF>0.5), 0.5%(PF>0.01)
Reactive / Apparent Power Accuracy	0.5%
Power Factor Range	0.000□±1.000, Accuracy 0.5%

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.