GDRB-F Transformer Winding Deformation Tester (SFRA & Impedance Method)

General Information

GDRB-F transformer winding deformation tester adopts sweep frequency response analysis (SFRA) method and impedance method to detect transformer winding movements and mechanical failures due to mechanical shock, transportation or short circuits, with features of fast test speed, high frequency stability and powerful analysis software.

Features

- Fast test speed. Single winding is measured within 3 minutes.

- Digital frequency synthesis, with higher frequency stability.
- 5kV voltage isolation fully protects safety of the testing computer.
- Able to load 9 curves at the same time, calculate parameters of each curve automatically, diagnose winding deformations and draw conclusions.
- Powerful analysis software. Software and hardware parameters satisfy national standard DL/T911-2004. (EN60076-18, optional)
- User-friendly management software with high intelligence, simple interface, easy to operate.
- Support basic functions like data analysis, data storage, data export and print.

Specification

Test speed	1~3mins (for single phase winding)
Output voltage	Vpp-25V, adjusting automatically in test
Output impedance	50Ω
Input impedance	1MΩ (the response channel is built with 50Ω matching resistance)
Frequency sweep scope	10Hz~2MHz (standard); 10Hz~30MHz (optional)
Frequency accuracy	0.001%
Frequency sweep manner	Linear or logarithmic, frequency scan interval and number of sweep points are set freely.

Curve display	Amplitude-frequency curve (phase-frequency curve, optional)
Width of measuring dynamic range	-100dB~20dB
Supply voltage	AC100-240V, 0-400Hz
Weight	3kg