Impulse Winding Tester

7703 / 7713

Features

- Measure the lowest inductance to 0.5uH
- HARM analysis and HFLT analysis
- High voltage calibration
- programmable impulse voltage, low-energy detection without damaging the DUT
- Built-in storage 200 sets testing waveform
- Storage golden sample (DUT) standard waveform in the instrument, and compare with the other sample waveform
- Provides 5 waveform comparison: total area comparison, differential area comparison, wave comparison, futter and corona
- Key lock function to prevent operators from accidentally touching keys
- Support RS-232, remote and printer interfaces

Applications

Include Inverters, Power Inductors, Transformers, Motors, Wave Filters, Capacitors and Wires

CE RS-232 Remote Printer

Accessories / Fixtures

Standard

- Power Cord
- 2 terminal HV test cable
- D-Sub foot switch (F760001)

Optional

- PC Link software (7703)
- RS-232 cable
- Remote control cable

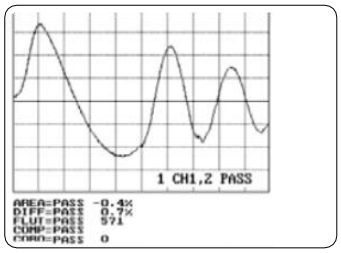
Specifications

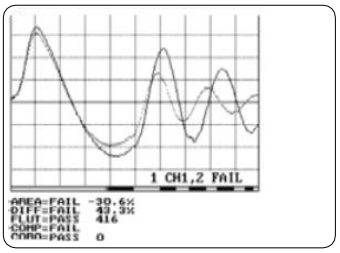
Model Name	7703	7713
Channel	2	
Impulse Voltage (programmable)	100V-5000V	200V-10000V
Lowest Inductance	0.5μH	
Impulse Voltage Accuracy	±2%	
Measurement Time	50ms	
Test Items	Total area comparison, differential area comparison, wave comparison, futter and corona, HARM, HFLT	

General

PLC Remote Control	Test, Abort
PLC Remote Output Signal	Pass, Fail, HV output, Testing
Built-in Storage	200 sets testing waveform
Interface	RS-232, Remote, Printer
Power Supply	Voltage 98Vac-132Vac or 192Vac-264Vac
	Frequency 50/60Hz ±5%
Power Consumption	85VA
Display	320*240, 5.7" dot-matrix
Environment	Temperature: 10℃-40℃, Humidity: 20-90%RH
Dimension (W*H*D)	435×145×522mm (7703/7713)
Weight	8kg (7703/7713)

Key feature





Total Area Comparison	By calculating the area between DUT and golden sample, and compare the difference. Judge the energy cost by analyze the wave.
Differential Area Comparison	By calculating the ratio of the area enclose by the wave of the golden sample and DUT to judge the overlap part. Compare the difference of inductance.
Wave Comparison	This function can determine the amplitude and phase of the resonant wave at the same time, which can increase the ability to detect short-circuit between turns.
Flutter	When the phenomenon of discharge between turns, the waveform will tremble
Corona	Check the corona phenomenon in the discharge curve. This function can count the number of corona occurrences and compare whether there is a slight discharge phenomenon in the bad coil.