

# 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, flutter 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

- |                               |                           |
|-------------------------------|---------------------------|
| <b>Standard</b>               | <b>Optional</b>           |
| - Power Cord                  | - PC Link software (7703) |
| - User Manual (CD)            | - RS-232 cable            |
| - 2 terminal HV test cable    | - Remote control cable    |
| - D-Sub foot switch (F760001) |                           |

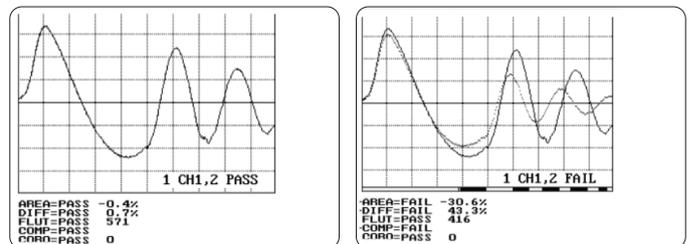
### Specifications

Model Name	7703	7713
Channel	2	
Impulse Voltage (programmable)	100V-5000V	200V-10000V
Lowest Inductance	0.5uH	
Impulse Voltage Accuracy	±2%	
Measurement Time	50ms	
Test Items	Total area comparison, differential area comparison, wave comparison, flutter 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%
Display	320*240, 5.7" dot-matrix
Environment	Temperature: 10°C-40°C, Humidity: 20-90%RH
Dimension (W*H*D)	435x145x522mm (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.