



Impulse / Surge Tester

**7700/7710/7720
7703/7713**

Key Features

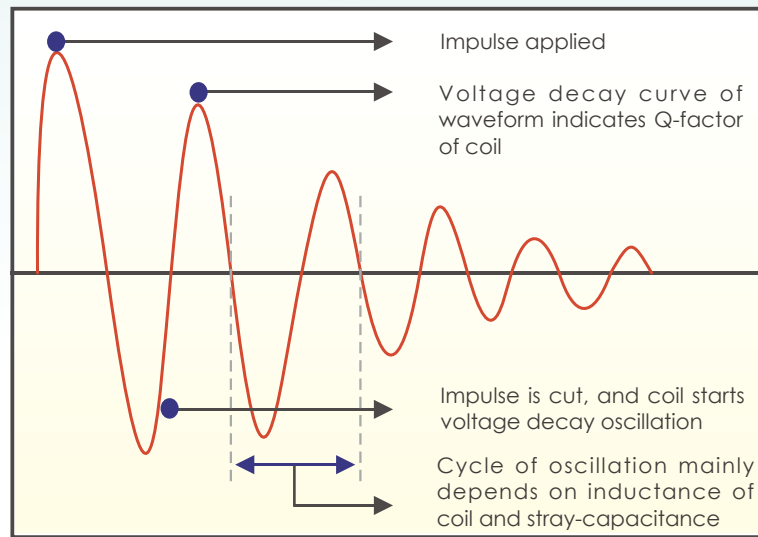
- Ultra High 10000V Testing Voltage
- Non - Destructive Analysis of Winding
- Chinese / English Language Version
- Full Programming Sequence Test
- Versatile I / O Ports for Application
- Test Statistics & Print Function
- Multi-channel Test Capability
- Full Graphic Comparison

• The best solution for coils testing

Coils are used widely. They are used on transformer, motor, generator, relay, solenoid, filter and different inductances. That is why the quality of coils is very important for all manufacturers.

• High voltage non-destructive analysis of winding identifies difficult to detect manufacturing faults

There are a number of parameters that can not change during manufacture that may affect the performance of a winding. These parameters, which cannot always be measured with an LCR Meter, include change in material as well as shorted and damaged windings. The 7700 series instruments use a very high voltage impulse to stimulate the device under test (DUT). It analyzes the decay waveform to detect changes in material, shorted and damaged windings and other errors. Long term decay of a winding can also be detected. The system used ensures that the component is tested but not damaged during the analysis process. The shape of the waveform is dictated by Q factor, Inductance and stray capacitance of the winding. High Q shows as a slow decay and the frequency of the waveform is determined by the inductance and stray capacitance of the DUT.



7700 SERIES SPECIFICATIONS

Test Function		Memory	
Area size comparison		7700/7710	200 Waveform files
Difference area comparison		7720	80 Waveform files
Waveform comparison		7703/7713	200 Waveform files
Flutter value			
Impulse Voltage		Power Supply	
200 ~ 10000V Programmable		115 / 230Vac \pm 10% Switchable	
\pm 2% Accuracy		60 / 50 Hz	
Measurement Time		Accessory	
50ms Basic		2 Terminal alligator clips	
Test Channel		Remote control cable	
7700/7710	2 Channels	Power cord	
7720	8 Channels (Programmable)	User's Guide	
7703/7713	2 Channels	Operation Environment	
		0°C ~ 40°C, Rh \leq 75%	
Display & Sound		Dimension(WxHxD)	
320x240 Graphic LCD Display		7700/7710	435x130x525 mm
Pass / Fail LED Indicator		7720	435x180x525 mm
Internal Speaker		7703/7713	435x130x525 mm
I / O Interface		Weight	
Remote Control Port		7700/7710	8kg (Without accessory)
RS-232 Port		7720	9kg (Without accessory)
Printer Port		7703/7713	8kg (Without accessory)

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