

7700 SERIES



IMPULSE / SURGE TESTER 7700/7710/7720

PRODUCT 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 and print function
Multi-channel test capability

● 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.

They 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.

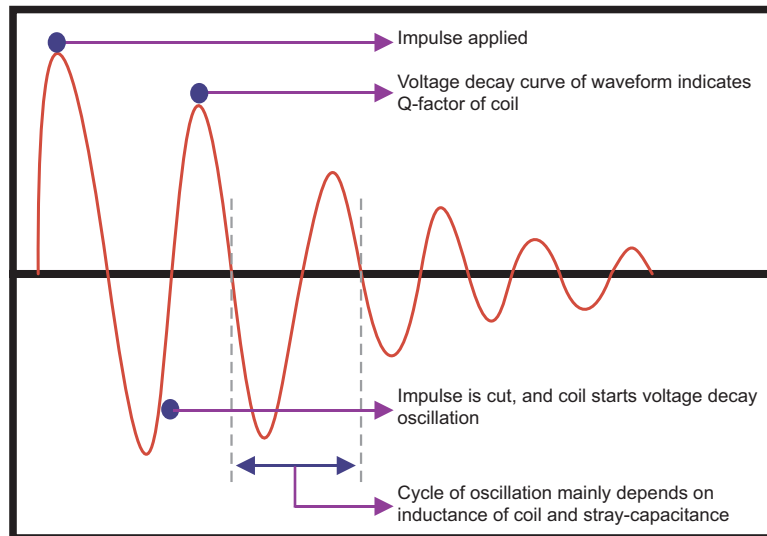
The shape of the waveform is dictated by Q factor, Inductance and stray capacitance of the winding.

High Q shows as a slow decay and the frequency of the waveform is determined by the inductance and stray capacitance of the DUT.

● Easy to Use, Powerful detection capability.

Early detection of component faults is a key feature of 7700/7720. The 7700/7720 has been designed with ease of use with a large visual display, graphical format and straightforward intuitive operation.

The 7700/7720 provides all capabilities for testing at a very attractive price.



SPECIFICATION

7720 Impulse / Surge Testing

Test functions

Area Size Comparison
Difference Area Comparison
Waveform Comparison
Flutter Value

Impulse Voltage

200 ~10000V Programmable
±2% Accuracy

Measurement Time

50ms Basic

Test Channel

7700/7710 2 - Channels
7720 8 - Channels (Programmable)

Display and Sound

320x240 Resolution Graphic
Pass / Fail LED Indicator
Internal Speaker

I / O Interface

Remote Control Port
RS-232 Port
Printer Port

Memory

7700/7710 200 Waveform Files
7720 80 Waveform Files

Power Supply

115 / 230Vac±10% Switchable
60 / 50 Hz

Accessory

7700/7710 2 - Terminal Alligator Clips
7720 8 - Terminal Alligator Clips
Remote Control Cable
Power Cord
User's Guide

Operation Environment

0°C~40°C
Rh ≤ 75%

Dimension (WxHxD)

7700/7710 435x130x525 mm
7720 435x180x525 mm

Weight

7700/7710 8 kgs (Without accessory)
7720 9 kgs (Without accessory)