



SIVA INSTRUMENTS

Digital Surge Tester

Model : DT210



SPECIFICATION

1. Max. Surge Voltage :10KV continuous variable.
2. Test Position - I (for DC armatures)
Test Voltage : 0-1KV
Pulse Current : 1000A (Max)
3. Test Position – II (for 3 phase stators)
Test Voltage : 0-10KV
Pulse Current : 660A (Max)
4. Vertical Sensitivity.
Selectable 1,2,5,10KV full screen.
5. Input Voltage :230V (±) 10% 50Hz
6. Display :Built-in LCD
7. Dimension (W X H X D) :510 X 450 X 325
8. Weight :18 Kg.

APPLICATION

The Surge Comparison Tester is useful for conducting Surge Test on
i. A.C. Motor Windings and Coils.
ii.D.C. Traction Motor and Generator Armatures and field coils.

DESCRIPTION OF THE EQUIPMENT

The Surge Comparison Tester contains surge voltage generation and indication sections. The amplitude of the generated surge voltage can be varied from 0 to 10,000 volts. This voltage is applied to the coils under test and the resultant damped sinusoidal oscillations This oscillatory pattern reflects the inter turn insulation and earth/ground faults. The surge tester has two positions of testing.

- C.1. Power on Switch
- C.2. Automatic Voltage setting
- C.3. Voltage Measurement (0 – 5000/10,000 volts)
- C.4. Sockets for power input.
- C.5. Red lamp to indicate surge on
- C.6. Built-in LCD Display is provided to

F. Standard Accessories Supplied With DT-205/210

1. EHT cable leads for connecting surge outputs
2. Power input cable with 5A plug.

G. Optional Accessories

1. Three contact Armature Test Probe.
2. Bar-to-bar armature test probe
3. Three phase test select switch (to be ordered with the equipment)

Digital surge tester, Model DT-205/210

The basic function and voltage range are all same as ST-210E. Here output will be available in only one channel as there is no need for connecting the master coil / motor every time. The operator can do the comparison manually or the software can automatically compare the waveforms, and give you a pass/fail result.

The built-in monitor provides the display of waveforms and the user interface menu. The control and operation is very easy as the software is fully menu driven.

The digital tester is very useful when testing motors at site.

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