



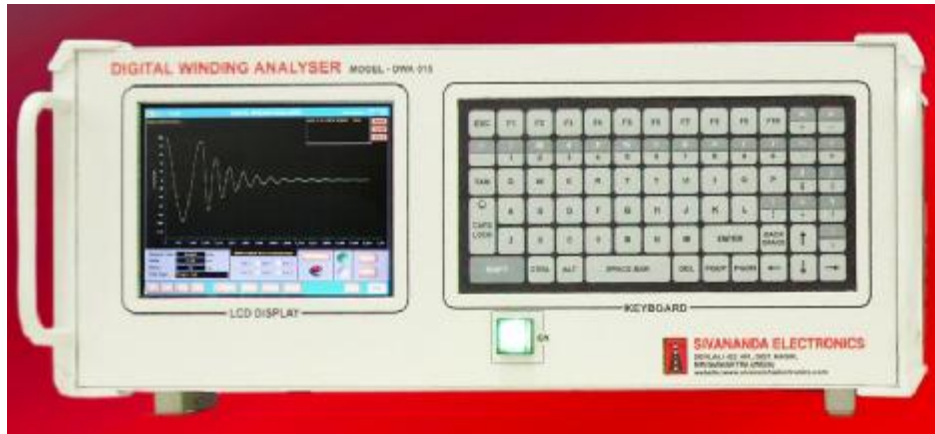
SIVA INSTRUMENTS

DIGITAL WINDING ANALYSER

Model :DWA 10



An ISO 9001:2000 COMPANY



Digital Winding Analyser is Asia's first state of art technology in the field of motor, stator, winding test. Highly portable equipment is useful for surge comparison test, DC Hipot Test, Insulation Resistance test, and Winding Resistance Test. Use of inbuilt front panel controlled PC make the equipment highly versatile and user friendly. 40 GB hard disk increases the storage capacity to great extent. High-resolution LCD colour Screen display provides clear picture of waveform in various colours. Highly flexible windows based software provides facility of comparison with pre-stored test data. Hence no need of preserving master sample coil and connecting it for each test cycle. Area integration of waveform difference is converted to error count, provides pass and fail settings and eliminates all guesswork and manual/visual error in testing.

APPLICATION

The Digital Winding Analyser is useful for conducting Test ON.

- A.C. Motor windings and Coils
- D.C. traction Motor and Generator Armature and field coils.
- All types of transformers.
- Any bobbin wound or air core coil.

TECHNICAL SPECIFICATIONS

Supply Voltage: 230 VAC, 50 Hz

Surge Test

Output Voltage: 0-10000 volts

Max Pulse Current: 400 Amps / 600 Amps / 800 Amps

Pulse Energy: 2.88 joules Max.

Storage Capacitance: 0.057 μ f

Sweep Range: 3 μ s-32000 μ s/div.

Volts Division: B.B, 1000,2000,5000, 10000V

Minimum Inductance: 30 μ H

Voltage Measurement Accuracy: \pm 2%, \pm 30V

DC Hi-pot Test

Output Voltage: 0-10000 volts

Max. Output current: 2000 μ A

Current Resolution: 2nA, 20nA, 0.2 μ A, 2 μ A, 20 μ A, 200 μ A

Trip Current Settings: 20nA, 200nA,2 μ A, 20 μ A,200 μ A, 2000 μ A

Full Scale Voltage Accuracy: \pm 2% , \pm 30V

Full Scale Current Accuracy: \pm 2%

Insulation Resistance Test

Meg Ohm Accuracy: \pm 10%

Max. Meg-ohm Reading: 500G

Winding Resistance Test:

Range: 20m Ω to 2K Ω

PC Specification

Processor: Pentium 4, 800 MHz

Hard Disk: 40 GB/80GB

Port: USB

Screen Display: 680 x 480 Pixels TFT

Keyboard: 73 Keys

Software: Windows based XP

Menus: Voltage setting, Trip setting, Pass/Fail settings

Dimensions (W x H x D): 435 x 195 x 350 mm x 2 boxes

Weight: Approx 36 Kgs for 2 boxes

STANDARD ACCESSORIES

EHT Cable leads for connecting Surge outputs
Power Input Cable with 5A Plug.

OPTIONAL ACCESSORIES

Hand Applicator
Armature Test Jig
Foot Operated Switch



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TO KEEP PACE WITH THE CHANGING TECHNOLOGY

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