



SIVA INSTRUMENTS

Million Megohm Meter (Insulations Testers)



FEATURES

- Push Button Controls for rapid testing.
- Tests as per I. S. I. recommendations.
- Wide measurements range
- Fully protected against all overload and short circuits.
- Completely solid state circuitry, hence drift free operation.
- Guard Terminal provided.
- Suitable for testing ' EARTHED ' Samples.
- Suitable for testing insulation liquids (Resistivity measurements) with oil cell as per IS : 335

INTRODUCTION

This series of Million Megohm Meters are designed to test electronic components such as paper Capacitors, Plastic Capacitors, Ceramic Capacitors, Insulators, Semi Conductors, Switches, Connectors, transformers, Motors etc. as per I. S. I. recommendations.

The instruments have facility for checking insulation resistance in the range of 1 meg ohm to 10 million meg ohm after one minute of charging. Ultra stabilized power supply (.001% short term drift) permits measurements of intrinsic value of insulation resistance if required, even with capacitive loads.

Separate push button controls and visual indicators for "Charge", and "Discharge" function are ideally suited for rapid and safe testing of components in a factory. Maximum output current has been limited to safe value to eliminate the risk of serious shock to operators.

The instruments are available in five models as per specifications given overleaf.

Technical Specification

D.C. Voltages:

Model LS3A 100V, 250V 500V 1KV & 2.5KV \pm 2%

Model LS3B 63V, 100V & 500V \pm 2%

Model LS3C 100V, 250V, 500V & 1KV \pm 2%

Model LS3D \pm 500V

Model LS3E 10 Meg W to 10 Meg W in six ranges - 50 to 1000V DC continuously variable with 0.001% short term stability.

Resistance Range 1 Meg to 10 Meg in 6 ranges.

Indication 4 $\frac{1}{4}$ " Taut Band Panel Meter.

Overload Protection Fully protected against wrong selection of breakdown of components under test.

Warm up time One minute

Power Supply 230V AC \pm 15%, 50 Hz Single Phase

Weight Less than 7 Kg.

Dimensions 435 x 345 x 192mm

Notes: Special modes for test voltage between 5V & 10,000 are available as per customers specifications.

Model LS-3D specially designed for checking oil resistivity with 3 Terminal Oil Cell as per I.S.I.

Special models with digital readout & battery accuracy are also available.

Special Models with simultaneous indication of resistance as well as leakage current are also available.

Special Models with built-in timer and electronic Go-No-Go facility are also available.

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