

SIVA INSTRUMENTS

MICROHM Meter
Model :LS-22DA



An ISO 9001:2008



Introduction

Transformer Winding Resistance Meter is designed to measure the winding resistance of transformers, Inductors, generators and motor windings, Tap Changers, Bus Bar contacts, Power Cables Etc.

It is specially designed for Highly Inductive objects. This is only indigenous microhm meter which gives very fast readings for 3Phase Star-Delta any combination. The built in open circuit Voltage of DC Supply ensures that core of the transformer is saturated for fast measurements to be taken. Care is taken to absorb the Back emf of such transformers. For user safety, Indication for discharges is provided on front panel, if the current through winding under measurement is disturbed/discontinued.

Instrument has built in 1A regulated and highly stable current source with current selection of 1Amp, 100mA, 10mA and 1mA. Instrument uses ratio-metric circuit where the resistance of specimen is compared with known internal standard and 3½ digit LCD display is provided for resistance measurement in micro-ohm, milliohms and in ohms.

Features

- Regulated and highly stable 24V.
- Current Capacity 1Amp.
- 4 Line LCD display.
- Simultaneous measurements of voltage & current..
- True four terminal measurement.
- Resolution of 0.1 micro ohm
- Protection against inductive kickback and discharge.
- Built in auto Lead compensation.
- Visual indication for discharge.
- Line voltage interference suppression , making instrument most suitable for field applications.
- Light weight with carrying case & with 15 meter leads.
- Automatic Discharge.
- Thermally Protected Power Supply.
- Test modes can be selected Manual / Automatic / Continuous / Inductive

Specifications

POWER SUPPLY	240V AC, 50Hz, single phase.		
TEST CURRENT	1A, 100mA, 10mA and 1mA		
RESISTANCE RANGE	2m Ω to 200 Ω (Auto Ranging)		
DISPLAY	Large clear backlit 4 line 20CH LCD.		
RESOLUTION	100m Ω to 0.1 $\mu\Omega$ as per range selected.		
ACCURACY	$\pm 0.05\% \pm 5$ digits		
DC POWER SUPPLY	24VDC, 1Amp		
KEYPAD	12 Keys 4 X 3 Soft-touch.		
CABLES	<table border="1"><tr><td>a) Test Lead 3.0 meters min with Kelvin Clip (approx 12mm jaw opening)</td></tr><tr><td>b) Test cable 10 meters min with Kelvin Clip (appx 35mm jaw opening.)</td></tr></table>	a) Test Lead 3.0 meters min with Kelvin Clip (approx 12mm jaw opening)	b) Test cable 10 meters min with Kelvin Clip (appx 35mm jaw opening.)
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EMI/EMC SPECS	Complied IEC61326		
WEIGHT	less than 10Kg		
OPERATING TEMP	0 $^{\circ}$ C to 50 $^{\circ}$ C		
OPERATING HUMIDITY	Upto 95%RH		

SIVANANDA ELECTRONICS

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