



SIVA INSTRUMENTS

Winding Resistance Meter

Model : TWRM-40A uP



Introduction

Winding Resistance Meter is designed to measure the winding resistance of transformers, Inductors, generators and motor windings, Tap Changers Etc.

It is specially designed for Highly Inductive objects like 400KV/220KV. This is only indigenous TWRM which gives very fast readings 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,

Instrument has built in 40A regulated and highly stable current source with current selection of 40Amp & 10Amp.

Instrument uses ratio-metric circuit where the resistance of specimen is compared with known internal standard and 4 ½ digit LED/LCD display is provided for resistance measurement in milliohms and in micro ohms.

Features

- Regulated and highly stable 40Amp,10A current source.
- 4½ digit LED/LCD display
- Simultaneous measurements of voltage & current.
- True four terminal measurement.
- Resolution of 0.01 micro ohm
- Protection against inductive kickback and discharge.
- Line voltage interference suppression , making instrument most suitable for field applications.
- Light weight with carrying case & with 10 meter leads.
- Inbuilt Printer 2.5 inch, RS232 port Data acquisition software Windows Based.
- Automatic Discharge.
- Thermally Protected Power Supply.

Specifications

RANGES 19999 $\mu\Omega$, 1999.9 $\mu\Omega$ & 199.99 $\mu\Omega$

TEST CURRENT RANGE 40Amp & 10 Amp Selectable

MEMORY 100 READINGS max

PORTS RS232 Port, Dot Matrix Epson Printer

RESOLUTION	Range	Resolution
	19999 $\mu\Omega$	1 $\mu\Omega$
	1999.9 $\mu\Omega$	0.1 $\mu\Omega$
	199.99 $\mu\Omega$	0.01 $\mu\Omega$

ACCURACY 0.5% \pm 3 digits

OPERATING POWER 200 TO 240VAC 50/60Hz

DATA ACQUISITION SOFTWARE Windows Based. 98 , 2000, xp.

CONTROLS Power On Switch.
Current Range selection switch.

DIMENSIONS L=440x B=350x H= 240mm \pm 10mm

WEIGHT Approx. 15Kg

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