

# SIVA INSTRUMENTS



ISO 9001 : 2008

Sivananda Automatic Ratio Meter is the first automatic ratio meter in the country giving digital display of ratio directly. The instrument without any need of balancing precisely & accurately measures the voltage transformation ratio of single phase/3-phase delta or star connected transformers, CTs & PTs, Power Transformers.

## Test Voltage

The Instrument provides test voltages 48V & 4.8V which enable the testing of both Power Transformers & CTs.

## Display

4 line LCD displays the ratio i.e. ratio of high voltage winding to low voltage winding at low flux in the core. Ratio range 0.8 to 20000 is displayed in by auto ranging.

## Principle of Operation

This Instrument uses ratio-metric circuit in which the ratio of test specimen is compared with known internal standard.

## Protection

Instrument is protected against any wrong connection across the transformer. Fast acting VBO trips in case of stepping up of test voltage.

## We also offer

C & Tan delta Bridge with High Voltage Power Supply upto 12KV., SF6 gas filled Standard Capacitors 100pf/1000 pf upto 20 KV., Oscillographic Null Detectors, High Voltage Insulation Testers upto 5KV (Solid State), Precision Current Transformers for range extension of C & Tan D Bridge etc. For detailed information & product catalogue please write to us.

## Automatic Transformer Ratio Meter Model : ATRM-1M



## Features

- LCD display
- True 4 terminal measurement.
- Fully auto operation, No balancing is required.
- Fully protected against any wrong connections.
- Measures and displays transformer ratio, Phase Angle Deviation & Excitation Current
- TResolution of 0.001 in the range 10.

## Specification

**Power Supply:** 230V AC, 50Hz,  $\pm 10\%$  Single phase.

**Test Voltage:** 48 V & 4.8 V \*\*

**Excitation Cur.:** 2Amp

**Ratio Range:** 0.8 to 20000 \*\*

**Indication:** 4 line LCD display.

**Phase Angle:** Range  $\pm 90.0^\circ$   
Resolution  $\pm 0.01^\circ$   
Accuracy  $\pm 0.5^\circ$

**Polarity:** Facility to change polarity from instrument

**Displays:** Ratio / Excitation Current / Phase Angle Deviation

\*\* Can be modified as per customer requirement



## SIVANANDA ELECTRONICS

Head Office & Works: Nashik

Deepak Mahal, Lam Road, Deolali, Nashik-422 401 Maharashtra, INDIA. Ph: +91-253-2491423, 2491504, 2491816

Fax: +91-253-2492291 | Email: mkb@sivanandaelectronics.com

### Mumbai

Ph.: 022-66430590 / 91

Fax: 022-28389232

Email: sivabom@sivanandaelectronics.com

### New Delhi

Ph.: 011-26221582, 26434442

Fax: 011-26434440

Email: sivadelhi@bol.net.in

### Bangalore

Ph.: 080 -25585673,

Fax: 080 - 25597416

Email: sivabl@vsnl.net

### Hyderabad

Ph.: 040-65132943

Email: sivananda.hyd@gmail.com