



Sivananda Electronics

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IMPEDANCE METER
MK-I

Introduction

The Impedance Meter Model MK-I is specially designed for measurement of impedance of cables but can also be used measure any complex impedance. The built in test frequencies are industry standard as per relevant Indian & International standards. Using external source , the impedance can be measured at other frequencies also. (500Hz – 20KHz)

Both open circuit & short circuit impedances of cable can be measured characteristics impedance can be calculated.

Some three decades ago, we committed ourselves to fill up the void in indigenous production-oriented test equipments for our fast growing electronic and electrical Industry, which was then dependent on costly imported equipment. Even the simplest of the equipments were being imported with the omnipresent menace of servicing problems.

True to our commitment, over the years, dedicated and hard-core professionals at Sivananda Electronics have come out with a wide range of test equipments to cater to the needs of the Indian Electronics and Electrical Components Industry. The types of equipment ranges from simple but vital equipments to the most sophisticated equipments, using the latest state of the art technology.

Prime design criteria are production orientation, speed, accuracy, ease of operation suitability for diverse climatic conditions and technical level of manpower. Ever-growing list of satisfied customers, shows that we have been successful in fulfilling our commitment.

Our constant endeavor is to update the present equipments and bring out new equipments as per International standards. A constant feedback from our customer is a source of encouragement in our endeavor.

As our equipments are production-oriented, every precaution is taken at each stage to ensure long life and trouble free operation. A well knit team of service engineers support our after sales programme , effectively.

The equipment measures in the range of 0.1 ohm to 20 K ohm.

Specification

3. TECHNICAL SPECIFICATIONS:

3.1 INTERNAL TEST SIGNAL

Frequency	:	800Hz, 5KHz
Accuracy	:	Accuracy of Internal Frequency setting is $\pm 1\%$.
Compliance Voltage	:	1 VAC
Signal Across Test object	:	30 mV (max.)

3.2 EXTERNAL TEST SIGNAL

Frequency	:	500Hz to 20KHz.
Compliance Voltage	:	3 VAC

3.3 IMPEDANCE

Range	:	0.1 Ω to 19.99 K Ω in three ranges i.e. 199.9 Ω , 1.999 K Ω & 19.99 K Ω
Resolution	:	0.1 , 1 & 10 Ω respectively.
Accuracy	:	$\pm 0.5\% \pm 1$ digit.
Indication	:	3 ½ Digit Panel Meter

3.4 Built in Calibration : 1 K $\Omega \pm 0.1\%$

3.5 Power Supply : 230VAC $\pm 10\%$, 50H Single Phase.

Warranty

Sivananda Electronics warrants its products against defects in material and workmanship for a period of one year from the date of installation or 15 months from the date of dispatch, whichever is earlier. This warranty excludes normal wear on finishes or damage that occurs due to abuse or misuse.

Our Other Products

- ❖ **Instruments:** 200+ types of test equipment's for Power, Wire & Cable, Capacitor, Oil & Petroleum industries are developed by in-house R&D Lab. Surge Testers, Automatic C&Tan Delta Bridges, Transformer Windings Resistance Meters, Oil Insulation Test Kits, Oil Tan Delta, Volume Resistivity & Dielectric constant Meter, Insulation Resistance Tester, Contact Resistance Meter etc.
- ❖ **Security:** Turnstiles, Tripods, Barriers, Metal Detectors, Bollards etc.

Disclaimer : To Keep pace with the technology Sivananda Electronics reserves it's right to update the system without prior consent.

About Us

- 50 years (in 2020) of service to India.
- 1st to develop metal detectors for security in India. Made in India.
- 1st to develop Turnstiles in India. Made in India.
- Eclina Awards (1995), Elecrama Awards (1996), NIMA Awards (1999)
- Leading manufacturers of Security Systems and Test & Measuring Instruments in India.
- Largest supplier of Turnstiles in India in the last 25 years
- 150 different types of Electronic Test & Measuring instruments are indigenously developed for many industries.
- Exporting to 70+ countries.