



# Sivananda Electronics

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**DIGITAL CAPACITANCE METER**  
**MODEL: LS-16B**

## INTRODUCTION

The LS-16B Direct Reading High Capacitance Meter has been specially designed to meet the manufacturing industries requirement of faster, accurate and reliable equipment which is a semi-skilled operator can operate & give quality production. This is equally useful for laboratories & bulk consumers for inspection of incoming material.

The LS-16B is a Direct Reading Meter which gives the value & tan  $\delta$  of the Capacitor, on two separates meters, in fraction of a second. This eliminates the need of a trained person to operate the various knobs to get null for value & tan  $\delta$  measurement as is the case with bridge type equipment.

A low level 120Hz test signal is used to minimize any voltage vs. capacitance non-linearity. Frequency of the test signal can be altered to suit the customer's requirement. The instrument uses 4 terminal measuring methods to avoid errors due to lead and contact resistance.

## Technical Specification

Capacitance Range	1.00 $\mu$ F to 25 K $\mu$ F in 10 ranges
Tan $\delta$ Range	0 to 100% (only in LS-16B)
Test Frequency	120 Hz
Accuracy for Capacitance	$\pm 1\% \pm 1$ DIV
For Tan $\delta$	$\pm 1\% \pm 1$ DIV
Indication	4 1/2 panel metre for capacitance & 3 1/2 for Tan $\delta$
Power Supply	230 V AC $\pm 10\%$ , 30 VA

## 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.
- 1<sup>st</sup> to develop metal detectors for security in India. Made in India.
- 1<sup>st</sup> 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.