Sivananda Electronics

Deepak Mahal, Lam Road, Deolali, Nashik
Maharashtra, India-422 401
+91 253 249 1816/1504/1423/1129
sales@sivanandaelectronics.com

AUTOMATIC C & TAN δ BRIDGE
MLS-11DA & HLS-5A

Introduction

Automatic C & Tan δ Test Set

This set includes Bridge Model:MLS11DA & HV Power Supply model :HLS5A , Laptop based & necessary cables & very flexible, user friendly Visual C++ windows based Software. The use of Laptop & Windows based software makes the system more flexible easy to handle & accurate Data can be stored, Retrieved and analyzed at site.

Features

- Data logging with graph of voltage vs Tand to know the tand gradient & data analysis
- For comparison with old results / manufacturer's data.
- As per IEC Temperature correction for Tand @ 20Deg.
- Automatic interference suppression suitable for extraneous conditions in
- 400KV switchyard under heavy induction.
- USB connectivity with PC/Laptop
- Built in Temperature and Humidity

Specification

- Test Voltage 0 to 5 kV
- Rated Current 100mA Continuous, 200mA Short term.
- Automatic balancing through windows based software .
- Automatic & software controlled voltage setting to avoid abrupt voltage rise.
- Automatic selection of seven different modes of operation for measurement of 3 terminal object from windows based software .
- 1) UST - Ungrounded Specimen test - 3 combinations
- This mode is used when the object under test is not grounded. This test
- provides most accurate results.
- 2) GST - Grounded Specimen test
- This mode is used when the object under test is permanently grounded. This
- test is used more often in outdoor installations, power systems etc.
- 3) GSTg - Grounded specimen test with guard. 3 combinations.
- This mode is used for measuring them stray capacitances and separating
- them from basic measurement in GST mode.
- Standard capacitor : 100pF, 6kV built-in.
- Input Frequency : From 50 Hz (lines frequency) , ± 5%.
- Power Required : 230 VAC ± 10%, 1 phase AC , 50Hz.
- Safety Features :
- Zero start control
- Open ground indicating lamp with double grounded connection
- External interlock.
- HT cut off on overload
- HT ON & Supply ON indication.
- All operating controls at earth potential
- Necessary terminals & Sockets for connection to Bridge
- Safety Specifications : IEC 61010 complied.
- Vibration Suitability : ASTM D 999 complied.
- EMI/EMC Specifications: Conducted & Radiated Emission EN 61326 complied,
- Radiated SusceptibilityIEC61000-4-3 complied,
- Electrical Fast Transients IEC61000-4-4 complied,
- Surge Test IEC61000-4-5 complied,
- Conducted Susceptibility IEC61000-4-6 complied,
- Power Freq. Magnetic Field ImmunityIEC61000-4-8 complied,
- Voltage dips / InteruptionIEC61000-4-11 complied.

Warranty

Sivananda Electronics warranties 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.