



Sivananda Electronics

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Model Number: **ADST-05**

AUTOMATIC DIGITAL SURGE COMPARISON TESTER



High Throughput



Low Power Consumption



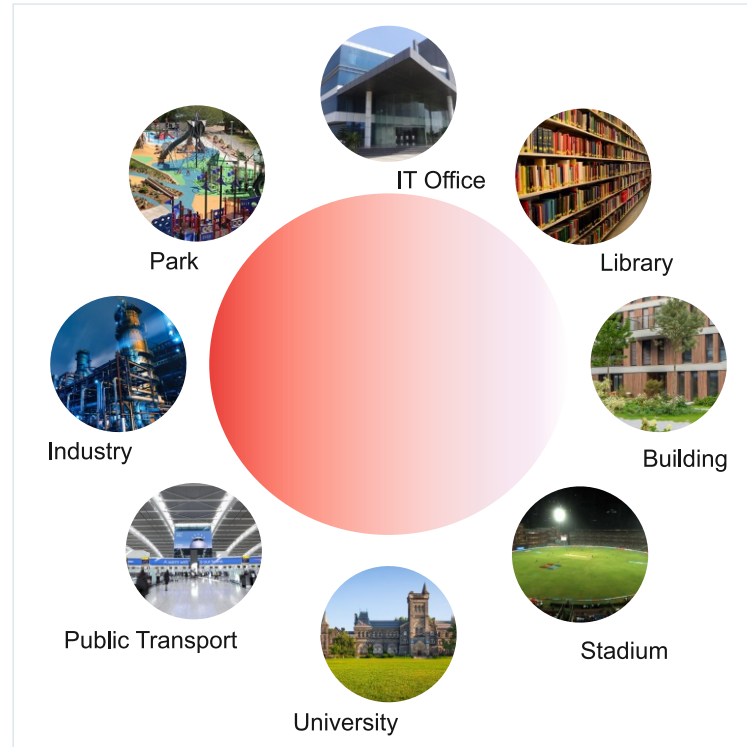
Best After Sales Service

Application

This tester is widely used for testing newly and rewind status of the motors. It helps finding and predicting the faults in stator coil of the motors before it happens.

This tester is extremely portable and can be easily used in the motor shops and in field to test the following:

- 1 ϕ & 3 ϕ windings
- LT coils
- AC, DC motors
- Stators
- Transformer coils
- Solenoids & Chokes



Features / Benefits

Digital Surge Tester is fully automatic & operated by computer only. Surge Wave form is captured by single pulse triggering.

Pass/ Fail Detector

- By Area comparison
- By Differential area comparison
- By Corona comparison

Coil to Coil Comparison: Wave form storage comparison

Number of cycles to be Compared: Able to compare predefined cycles by setting start and end points of wave form to be compared

Testing Software: Windows Xp and above.

Reports can be generated in PC Serial number wise and Date wise.

- Pass/Fail Report
- Raw Report
- Cumulative Report

For better understanding, the software comes with statistical analysis.

Specifications

❖ Test Position – I: For Testing of Stator Coils only

- Max Surge Voltage | 5000V
- Max Pulse Current | 330A
- Max Pulse Energy | 5 Joules max. two Channel

❖ Test Position – II : For Testing of Armatures only

- Max Surge Voltage | 1000V
- Max Pulse Current | 1000A
- Max Pulse Energy | 2.5 Joules max. one Channel

- ❖ Surge Frequency | 50Hz ± 3%
- ❖ Operating Voltage | 230V ± 10%
- ❖ Power Consumption | 130W
- ❖ Weight | 40Kg

Physical Dimensions

- Width | 550mm
- Depth | 550mm
- Height | 550mm

Surge Test Voltage to be applied = $\sqrt{2} \times (2 \times E + 1000)$

Shipment List

- Instrument
- Lead Set
- Instruction Manual

Optional Accessories

- ❖ Armature test jig.
- ❖ Bar-to-Bar armature test probe.
- ❖ 1 KVA servo stabilizer.
- ❖ Foot Switch for hands free operation.
- ❖ Trolley for Instrument.
- ❖ Laptop/PC

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.