



Sivananda Electronics

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



Model Number: **AWTS-03**

AUTOMATIC WINDING TEST SYSTEM



High Throughput



Low Power Consumption



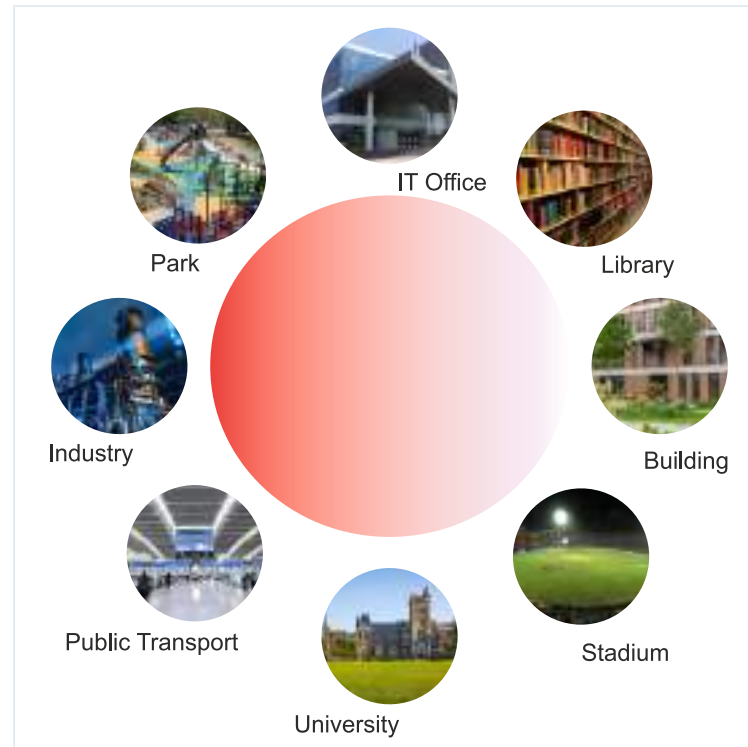
Best After Sales Service

Application

Very useful for Motors, Stator Coils, Ballasts, Relay coils, Solenoid, Mixer coils, Armatures and Transformers.

Parameters checked :

AC High pot, Resistance, Surge, DCHV, Inductance and IR



Features

- Fast and Accurate
- Quick model changes over
- Windows driven
- PC/Laptop based
- PC reports
- USB printer
- Pass/Fail Indication
- Low Cost Masterless Testing

Specifications

Resistance Test:

- Test Method : 4 wire Kelvin (Auto Ranging)
- Resistance Range : Current
- 2mΩ-20mΩ : 2A
- 20mΩ-200mΩ : 2A
- 200mΩ-2Ω : 200mA
- 2Ω-20Ω : 20mA
- 20Ω-200Ω : 2mA
- 200Ω-2kΩ : 0.2mA
- 2KΩ-20KΩ : 0.2mA

Additional ranges can be customized

Resistance Unbalance Test:

- Unit : %
- Formula Used : $[(RA+RB)/RA-RB] \times 100$

Surge Comparison Test:

- Test Voltage : 500V to 3000V (Optional 5000V to 10,000V)
- Voltage Accuracy : $\pm 3\%$
- Pulse Energy : 0.5 Joules (Max.) - Can be customized.
- Comparison : Highly reliable, error index, Algorithm with set able PASS/FAIL

AC High Voltage Test:

- Test Voltage : 100V to 3000 Volts
- Current : 0-20mA or 0-100mA(Max)
- Resolution : 0.1mA. (arc detection for improved fault detection)
- Voltage Accuracy : ± 5
- Trip Limit : Programmable up to 20mA or 100mA
- Duration : 1 to 60Sec.

Insulation Resistance Test:

- Test Voltage : 500V DC
- Settable Pass/Fail : 100MΩ to 1000MΩ

Inductance Test: (at 1Khz)

- 20μH to 200μH
- 200μH to 2000μH
- 2mH to 20mH
- 20mH to 200mH
- 200mH to 2000mH
- 2H to 20H
- Accuracy: $\pm 2\%$ of FSD

Shipment List

- Instrument
- Lead Set
- Laptop
- Instruction Manual
- Software CD

Optional Accessories

- ❖ Tower Lamp
- ❖ Trolley
- ❖ Stabilizer.

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.