



SIVA INSTRUMENTS

Automatic Transformer Test system Model :ATTS



AUTOMATIC TRANSFORMER TEST SYSTEM - ATTS

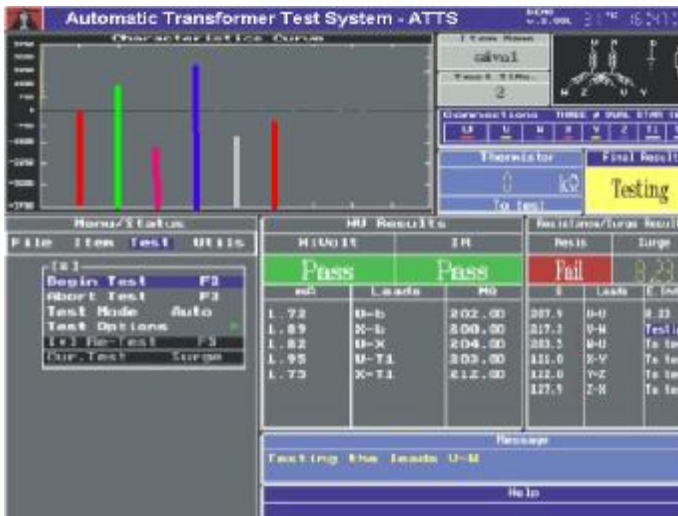
ATTS, the state of the art automatic test system for testing single phase and three phase Transformers. Innovative software features like connection template, and Master library facilitate ease of testing. Flexible to accommodate no. of test leads and any test on any combination of test leads, Master Data Programming.

Sivananda electronics is pioneer in designing custom built Automation systems since last 30 years for various sectors like motor & stator Industry, Power Sector, Railways, Rewinding Shops, Telecom Sector, Defense, Capacitor Industries, Winding wire Industries, Petroleum Industries etc. Automated operator console allows testing of various parameters automatically in a custom defined sequence. Modular design permits fixture placement on the control unit or separately. Operator console has test control, alarm control and master reference selection.

User Friendly Windows Based Software is featured with master data programming for minimum & maximum limits for each test in the sequence. Customized report generation allows the failure analysis reporting used for corrective & preventive actions. Statistical Analysis reports are useful for fault analysis.

- * Customized
- * Modular
- * Pc based
- * Low cost
- * Master Data Programming with Pass/Fail Limits.
- * Operator key console

- * Custom built test fixtures
- * Audio - visual Go-No-GO result indications
- * Electronic test voltage control
- * Fault detection Analysis
- * Proprietary digital signal processing algorithms



- * WINDOWS Based versions
- * Intuitive menu driven software and consistent GUI
- * Modular/Object-oriented/Scaleable
- * ALL-IN-ONE screen for testing and viewing results
- * Flexible test configuration
- * Programmable sampling rate and gain
- * Custom reports
- * Statistics and trend management
- * ODBC enabled
- * Multi-language support

LOAD TRANSFORMER SPECIFICATION

Input : 3 Phase 440/415V
Output : 3 Phase 70Volt / 1300Amp

VARIAC SPECIFICATIONS

Input : 3 Phase
KVA Rating : 100KVA 3Phase

SIVANANDA ELECTRONICS manufactures
Automatic C & Tan Delta Bridges
Automatic Stator Test System
Automatic Armature Test System
Automatic Surge Comparison Tester
Automatic Telecom Cable Test System
Automatic Oil Insulation Test Kit
Automatic Transformer Oil Test system
Automatic Enameled wire/Strip Tan Delta System

ATTS is built around modules. Unique bus matrix design provides "ANY TEST ON ANY LEAD" flexibility. All modules are computer interfaced through AD/DA/DIO.

THE MODULES

RESISTANCE TEST

Test method : 4 wire kelvin
Test current : 100 mA to 1 A*
 Upto to 10A++
Range : 2 m ohm to 200 ohm
Resolution : 3 ½ digits.
Accuracy : ± 0.5% ± 2 digits
Temp Compensation for 20° C

RATIO TEST

Test Voltage : 4.8V / 48 V
Ratio Range : 1 to 10
Balancing : Automatic
Accuracy : ±0.3% of FSD ± 3 digits
Resolution : 4 Digits

A.C. HIGH VOLTAGE TEST

Test Voltage : 500 to 3000 V
Voltage Resolution : 0.01KV
Voltage Accuracy : ± 2% of reading ± 2digits
Leakage Current : 0 to 50 mA.
Trip Limit : Programmable in mA.
Duration : 1 to 60 secs

INSULATION RESISTANCE

Test Voltage : 500VDC / 1000VDC
Range : 1M to 1000Meg
Accuracy : ± 2% ± 2digit

PRIMARY CURRENT MEASUREMENT

Test Current Range : 1-1300Amp
Accuracy : ± 1% ± 2digits
Resolution : 0.1 Amp

SECONDARY CURRENT MEASUREMENT

Test Current Range : 1-1300Amp
Accuracy : ± 1% ± 2digits
Resolution : 0.1 Amp

IMPEDANCE VOLTAGE MEASUREMENT

Range : 0-100Volts
Resolution : 0.1Volt
Accuracy : ± 1% ± 2digit

COOPER LOSS

Range : 1W to 15KW
Resolution : 1W
Accuracy : ±1%±2digit

CORE LOSS

Range : 1W to 5KW
Resolution : 1W
Accuracy : ±1%±2digit

TEMPERATURE MEASUREMENT

Range : 0-150°C
Accuracy : ±1%±1°C

To keep pace with the latest technology Sivananda Electronics reserves the right to update it's system.
Hence, information in the brochure is likely to change without notice.

SIVANANDA ELECTRONICS

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