



SIVA INSTRUMENTS

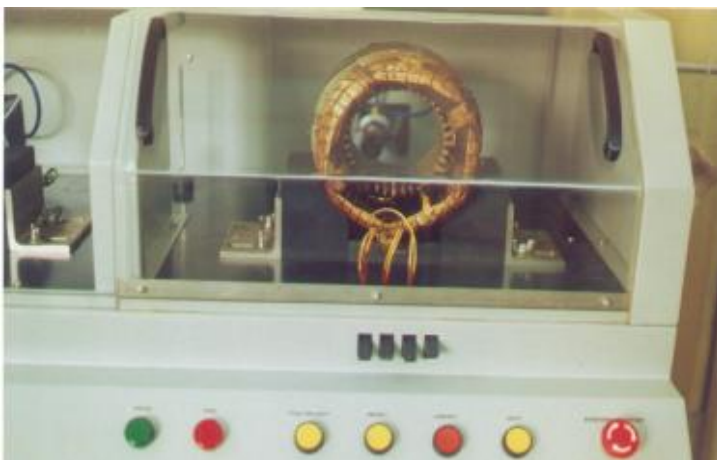
Stator Test system

Model :STS



AUTOMATIC STATOR TEST SYSTEM - STS

STS, the state of the art automatic test system for testing single phase and three phase coils and stators. Innovative software features like connection template, lead colour assignment and winding library facilitate ease of testing. Flexible to accommodate any no. of test leads and any test on any combination of test leads.



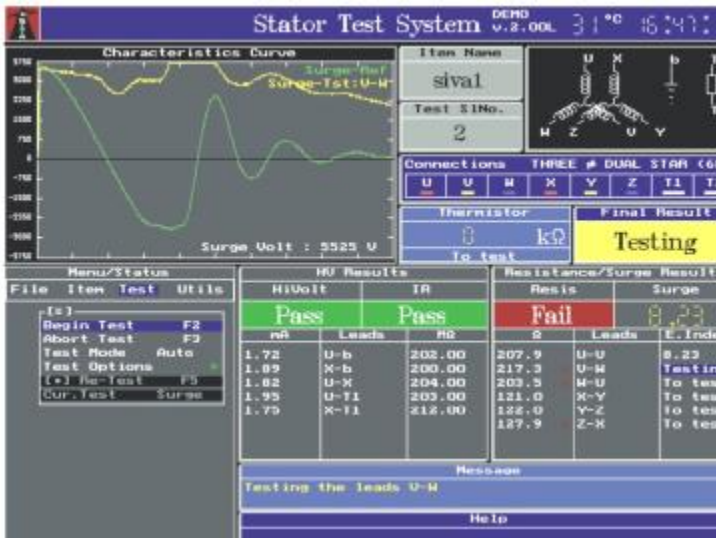
Single/dual station test fixtures with "QUICK CONNECT" connector blocks for ease of loading. External leads with remote operator console allows testing of large stators. Modular design permits fixture placement on the control unit or seperately. Operator console has test control, alarm control and master reference selection.

* Customized

* Modular

* Custom built test fixtures

* Audio - visual Go-No-Go result indications



ATS and STS are 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 : 1 m ohm to 2000 ohm
 Resolution : 3 1/2 digits.
 Accuracy : 1% F.S. range
 Temp Compensation for 20° C

SURGE TEST

Test Voltage : 500 to 6000 V
 Pulse energy : 0.625 joules (max)
 Discharge : Automatic
 Sampling rate : Upto 20 MSPS
 Comparison : Highly reliable, error Index algorithm.

A.C. HIGH VOLTAGE TEST

Test Voltage : 500 to 3500 V
 Leakage Current : 0 to 20 mA.
 Trip Limit : Programmable in mA.
 Duration : 1 to 60 secs

NEUTRAL ZONE TEST +

Test Method : Proprietary
 * Checks the Neutral Zone angle.

WELD RESISTANCE TEST +

Test Current : upto 1A
 Resolution : 10 micro ohm (min)

THERMISTOR TEST *

Range : Upto 200 K ohm

DIRECTION Of ROTATION *

Test Method : Hall effect sensor/dummy rotor

TEST VOLTAGE CONTROL

Solid- state SMPS with feedback control.
 DAC interface for accurate, smooth and quick voltage setting.

DIGITAL HARDWARE

PC based open architecture affords upgradability. PC-104 /ISA High Speed ADC/DAC/Digital I/O cards. Flash disc for portable applications.

JIGS AND FIXTURE

Custom - built single/dual test station
 Pneumatic/mechanical /opto-indexing test fixtures.

Note : * - applicable to STS only
 + - applicable to ATS only
 ++ - Bar to Bar or Span

- * WIN - 9 x and MSDOS 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

OTHER PRODUCTS AND SERVICES

- * Analog surge testers upto 15 K.V. (Built-in and external oscilloscope)
- * Turnkey custom built testing solutions.
- * Design and development of software, hardware, jigs and fixtures
- * Pilot study, proto-typing, feasibility evaluation

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