

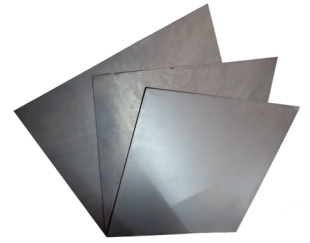


SST Sensor



Single Sheet Tester SST-500

### Application



500x500mm Electrical Testing Strips



Electrical Steel

### Accessories



Computer Table



Weighing Scale



Computer Set



Laser Jet Printer

# SINGLE SHEET TESTER SST-500 (IEC-60404-3)

## KEY FEATURES

- Better accuracy than required by standards
- Accurate sine wave with Negative feedback
- 20 x 4 Line Jumbo LCD Display
- USB and RS-232 Port for computer interfacing
- Software with Database & different test report formats
- Tamper proof calibration
- Automatic over mains voltage shut down
- Automatic over current shut down for Amplifier
- Fuse Protection for Over mains current condition
- Stable Source
- B-H Curve Measurement in Software

## APPLICATION

- To measure Quality of Electrical Steel CRGO.
- Useful for Electrical Steel, Transformer Lamination, Supplier & Users.
- Useful for Transformer Manufacturer.
- Useful for Research & Educational Institutes in Electrical & Metallurgical Department.
- Useful for Calibration & Testing Laboratories.

## INTRODUCTION

VEER make Single Sheet Tester SST-500 is complete stand alone Instrument to measure AC magnetic properties of Electrical Steel of all grade and gauges mostly. It refers IEC 60404-3 Standard. SST Sensor testing method is standard & worldwide accepted method to test important magnetic parameters like Watt/kg, VA/kg, Magnetizing Force, Permeability, Form Factor etc on different Induction (Flux Density). We provide Software to Generate Test Report and Graphs. Hysteresis Curve (B/H) facility also available in software.

## SPECIFICATIONS OF SINGLE SHEET TESTER SST-500

Parameters	SST-500
Sine Wave Generator	30 Hz to 70Hz
Source Current Capacity	3 Amp Peak or 2 Amp RMS
Source Voltage Capacity	50 Volt RMS
Peak Magnetizing Force	1000 AT/m
Distortion of Sine Wave	Less than 1% at no load
Auto Protection of Source	Auto shut off for more than 3 Amp Peak
Protection of Mains Power	Fuse and Auto Over Voltage cut off
Power Supply Voltage	230V $\pm$ 10% @ 50Hz (110V $\pm$ 10% @ 60Hz on request)
Operating Temperature & Humidity	10°C to 50°C Temperature & Less than 75% Humidity (Non Condensation)
Dimension in mm (W x D x H)	485 mm x 484 mm x 195 mm approx.
Weight of Unit in kg	15 kg approx.
Power consumption	85 VA approx. (for 500 gram at No Load)

## SPECIFICATIONS OF SST SENSOR

Parameters	SST-500
Bridge Size	500 mm (45 cm mean length)
Specimen Size	500 x 500 mm
Specimen Weight Capacity	1000g
Dimension in mm ( W x D x H)	1205mm x 605mm(200mm for sample support tray) x 1605mm Approx.
Sensor Weight	450kg Approx
Air Flux compensating coil	Mounted inside the Yoke.

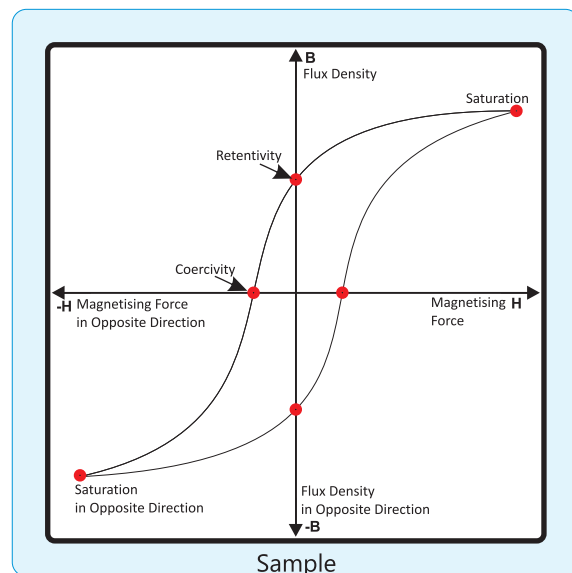
## ACCURACY OF SST-500

Parameter	SST-500 FSD $\pm$ %	Accuracy Required IEC 60404-3 $\pm$ %
RMS Voltmeter	$\pm$ 0.2%	$\pm$ 0.2%
RMS Ammeter	$\pm$ 0.2%	$\pm$ 0.2%
Watt Meter	$\pm$ 0.5%	$\pm$ 0.5%
Flux Voltmeter	$\pm$ 0.2%	$\pm$ 0.2%
Peak Ammeter	$\pm$ 0.5%	$\pm$ 0.5%
Frequency	$\pm$ 0.1%	$\pm$ 0.1%

## STANDARD ACCESSORIES

Sr. No.	Accessories	Qty.
1.	SST Sensor	1
2.	Connection Wire for Sensor	4
3.	AC Mains Power Supply Wire	2
4.	USB & RS-232 serial interface wire	1
5.	Calibration Certificate (Our Lab)	1 Set
6.	Operation Manual, Software CD	1 Set
7.	Computer & Printer With Computer Table	1
8.	Weighing Scale	1
9.	Test Sample with Test Report (Our Lab)	1 Set

## HYSTERESIS CURVE (B-H)



- Note:**
1. Accuracy is specified on 50Hz / 60Hz at Unity PF.
  2. Specifications are subject to change without prior intimation.
  3. Please Confirm Specifications at the time of Purchase Order.



**VEER ELECTRONICS PRIVATE LIMITED**

Plot No. B-45, GIDC Electronics Estate, Sector-25,  
Gandhinagar - 382024, Gujarat, India.

Phone : +91 - 79 - 23 28 92 25 / 29 75 02 41

Mobile : +91 - 99 09 03 66 98 / 98 79 20 80 38

Email : info@veerelectronics.com, sales@veerelectronics.com

Web : www.veerelectronics.com, www.veerpoweranalyzer.com



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