

# S.S.S. INSTRUMENTS

12/668, Satpute Galli, Near Veershaiv Co. Op. Bank Ltd., Ichalkaranji-416115 ,  
Tal . Hatkangale . Kolhapur. (MAH). [www.sssinstruments.co.in](http://www.sssinstruments.co.in)



## ***SPRING TESTING MACHINE***

### ***INTRODUCTION :***

SSS make Spring Testing Machines is widely used for quick and accurate testing of compression & tension test of springs. The machine comprise of two hard chrome plated columns with fine cut single screw with hand wheel for manual loading and unloading arrangement. The machine uses a high precision Load Cell for measurement of force. For displacement measurement Mechanical Linear Scale or Digital Vernier Caliper or Rotary Encoder is used. Measuring System is based on latest microcontroller / microprocessor based electronic panels with all facilities.

### ***Features :***

Microprocessor / Micro-controller Based Unit.

Force Measurement Accuracy  $\pm 1\%$  Of Indicated Load Or  $0.5\%$  Of Full Load Value Whichever Is Higher.

Quick And Accurate Measurement.

Interchangeable Load Cells.

Modulus Data For Load & Displacement (For Selectable Models With Software).

Simple Controls For Ease Of Operation.

Safe Operation Ensured By Means Of Safety Devices.

Simple Hand Operated Mechanism

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## **TECHNICAL DETAIL :**

<b>MODEL</b>	<b>SSS- STM-50</b>	<b>SSS- STM-100</b>	<b>SSS- STM-200</b>
<b>MAXI. CAPACITY</b>	<b>5 /20 /50</b>	<b>100 KG</b>	<b>200 KG</b>
<b>WIDTH BETN COLUMN</b>	<b>160</b>	<b>160</b>	<b>160</b>
<b>MAXI CROSSHEAD TRAVEL</b>	<b>300 MM</b>	<b>300 MM</b>	<b>300 MM</b>
<b>FOREC RESOLUTION</b>	<b>1 -5 GM</b>	<b>10 GM</b>	<b>0 .1 KG</b>

## **OPTIONAL :**

### **DISPLACEMENT MEASURING OPTION :**

- 1) MECHANICAL SCALE FOR MEASURING DISPLACEMENT.**
- 2) DIGITAL VERNIER WITH RESOLUTION 0.01 MM**
- 3) ENCODER WITH DIGITAL READOUT 0.1 MM**
- 4) SERIAL INTERFACE ON DEMAND.**



### **SSS INSTRUMENTS**

12/668, Satpute Galli,  
Near Veershaiv Co. Op. Bank Ltd.  
ICHALKARANJI - 416115, Dist : Kolhapur.  
(MAHARASHTRA) (INDIA)  
Mobile No. 09766536899  
EMAIL : [sssinstrument@gmail.com](mailto:sssinstrument@gmail.com).

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