

# ELECTRONIC SPRING TESTING MACHINE



## INTRODUCTION:

FMI makes range of spring testing machines are used for quick and accurate testing of tension and compression spring. The machine comprises of two hardchrome plated column with fine cut single screw with hand wheel for manual loading and unloading arrangement. The machine used 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 of machine is based on latest microprocessor based electronic with tare facility.

## OPTIONS

- Digital vernier scale with 0.01mm resolution for displacement indication ("6" or "12")
- Rotary encoder with separate digital unit 0.1 or 0.01mm resolution.
- 9/24 pin Dot-matrix printer interface.
- Serial interface hardware with data transfer software to computer.
- Motorized loading operation.

## FEATURES

- Microprocessor based unit.
- Force measurement Accuracy +/-1% of indicated load or 0.5% of full load value whichever is higher.
- Quick and accurate measurement.
- Interchangeable load cell.
- Modulus data for load & displacement.
- Option Dot-matrix printer interface.
- Option Rs-232 computer interface with window based software.

## TECHNICAL SPECIFICATION:

Sr.	Model	FSTM200	FSTM200	FSTM200
1.	Maximum Capacity	20kg, 10kg, 5kg	200kg, 100kg, 50kg	300kg, 500kg
2.	Width between columns	160mm	160mm	250mm
3.	Maximum cross head travel	160mm	160mm	250mm
4.	Force Measurement resolution	1gm	10gm	0.1kg

## DISPLACEMENT MEASUREMENT RESOLUTION:

Sr.	Type	Range	Resolution
1.	Mechanical Scale(Standard)	0-150mm	1.00mm
2.	Digital Vernier Gauge (Optional)	0-150mm	0.01mm
3.	Rotary Encoder (Optional)	0-150	0.10mm/0.01mm

FMI Reserves the rights of change in the above specification due to constant improvements in design.

Manufactured By :



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