

Introduction

MCS range of spring testing machines are used for quick and accurate testing of tension and compression springs. The machine comprises 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 of machine is based on latest microprocessor based electronics with tare facility.

Options

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

Technical Specifications

Model	MCS-STM20	MCS-STM200	MCS-STM500
Maximum Capacity	20 kg, 10 kg, 5 kg	200 kg, 100 kg, 50 kg	300 kg, 500 kg
Width Between Columns	160 mm	160 mm	250 mm
Maximum Cross Head Travel	160 mm	160 mm	250 mm
Force Measuring Resolution	1 gm	10 gm	0.1 kg

Displacement Measuring Resolution

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

Manufactured By :

MICRO CONTROL SYSTEMS

24/1264/5, Near Rajash Hotel, Shahapur Road, Ichalkaranji - 416 115.

M. S. (INDIA) Tel : 0230 - 2425674, Fax : 0230 - 2421966

Email : klp_mcs@sancharnet.in

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 cells.
- Modulus data for load & displacement.
- Optional Dot-Matrix printer interface.
- Optional RS-232 Computer interface with window based software.

