

## DIGITAL SPRING TESTING MACHINE (MANUALLY OPERATED)



### DESCRIPTION:

HSMLE makes HDSM- Manual Series, Manually operated Spring Testing Machines with Digital Displays can perform a wide range of mechanical tests including tensile, compression, bend, peel, tear, friction, and shear testing. These systems are designed to test materials, components, and products in accordance with ASTM, ISO, and other industry standards. Compatible with hundreds of accessories for a wide range of applications, these Spring Testing Systems are available in a multiple sizes and configurations for R&D, QC, and other mechanical testing up to 2.5KN force.

### APPLICATION:

HDSM- Manual Series, Manually operated Digital Spring Testing Machines can perform a wide range of mechanical tests including tensile,

compression, bend, peel, tear, friction, and shear testing. Compatible with hundreds of accessories for a wide range of applications.

## FEATURES:

- Manual loading and unloading arrangement.
- High precision load cell for measurement of force & scale for displacement measurement microprocessor-based electronic with tare facility.

## TECHNICAL SPECIFICATIONS:

Model No.	HDSM-0.5KN	HDSM-1KN	HDSM-2.5KN
Load Capacity	0.5Kn	1Kn	2.5kN
Load L.C.	0.1N		1N
Elongation L.C.	0.1mm with digital rotary encoder		
Effective Tensile Space	0-300mm		
Effective Compression space	300mm		
Input Power	Single phase 220V 50Hz		
Operation Type	Manually Operated		
Display	Digital Display		
Design Feature	Heavy duty 'Best in class' twin guided double pillar design for best stability and higher stiffness		

## STANDARD ACCESSORIES:

- Tension Hook : 1 Set
- Compression Plate : 1 Set

## DIGITAL READOUT (DATA ACQUISITION SYSTEM):

- High Resolution 24 Bit Adc , Ads 1232 Used For A Better Accuracy.
- 2x16 Or 4x20 Dot Matrix Lcd Display For Manual Operation.
- 8 Keys Provided To Easy Manual Operation.
- Load Zero Facility By Key.
- Displacement Zero Facility By Key.
- One Can Make Manual Test With Read Out.
- Peak Load And Peak Displacement Hold Facility.
- Auto Calibration Through Daq.
- Extensometer And Rubber Extensometer Facility Optional.