



55896 Experimental Set Up has been designed specifically for to study of oscillations for a mass and determine the force constant in different case's. The set up is absolutely self contained and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

Object

- To study of oscillations for a mass of two springs and hence to determine
- the force constant for spring
 - ♦ For a single spring.
 - ♦ In series combination.
 - ♦ In parallel combination.
- To determine the restoring force per unit extension (force constant) and the mass of a spiral spring by dynamical method
- To determine the restoring force per unit extension (force constant) of a spiral spring by statical method and verify the Hook's low.
- To find the elastic limit and study the oscillations of a rubber tube.

Features

- Two spring
- One Spring
- Slotted weights 10gm x 5 =50 with hanger
- Slotted weights 50gm x 5 =250 with hanger
- Slotted weights 100gm x 5 =500 with hanger
- Rubber tube (Cycle valve tube 50cm)
- **Digital stop clock** : With START/STOP operation by means of toggle switch & RESET by a push button switch. It has a range of 999.9 seconds with resolution of 0.1 seconds and accuracy of $\pm 0.01\%$ (Quartz controlled). Display is thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is $230V \pm 10\%$ 50Hz.

Note: Specifications are subject to change.