



**OMEGA TYPE ES - 373** Experimental Set-Up has been designed specifically to find the spring constant of a helical spring from the load extension graph by hook's law.

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

01 To find the spring constant of a helical spring from the load extensions graph by hook's law.

## FEATURES

The Complete Experimental Set-up consists of following items:

- 01 Hook's law apparatus 12cm long mirror scale, spring and pointer with tripod stand.
- 02 Slotted weight set : NP having one hanger 10gm and slotted weights of 10, 20, 20 & 50gm one each. Total weight 110gm
- 03 **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.
- 04 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS

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