



OMEGA TYPE ES - 375 Experimental Set-Up has been designed specifically to study the Oscillation Bifilar Suspension.

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 study the oscillation in a bifilar suspension arrangement and to verify that

$$T \propto \frac{1}{\sqrt{l_2}} \text{ or } \sqrt{l_2} \propto \frac{1}{T}$$

Write other things remaining the same.

FEATURES

The Complete Experimental Set-up consists of following items:

01 Bifilar suspension arrangement:

Two rods about 30 cm. long and a rigid metallic support frame.

02 Weights : Two equal weights of 200gm and two equal weights of 500gm.

03 Metre Scale : Length of 50cm.

04 Digital Stop Clock : OMEGA TYPE DSC-602 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 230VAC $\pm 10\%$ 50Hz.

05 Thread : Length of 1 mtr.

06 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