



55891 Experimental Set Up has been designed specifically to study the damping using a compound pendulum. 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 Air damping using a compound pendulum.
- 02 To determine the damping coefficient & quality factor.

FEATURES

The Set up consists of the following :

- 01 Compound pendulum. It is essentially an aluminium rod of size 870mm approx., supported by two pin pivot arrangement on an aluminium stand. The centre of mass of the oscillatory system can be shifted by sliding masses above & below the pivot points.
- 02 Scale for compound pendulum
- 03 Aluminium vanes of different areas.
- 04 Brass Pin
- 05 Digital stop watch
 - 5.1 START/ STOP operation by means of mini toggle switch.
 - 5.2 'RESET' by a push button.
 - 5.3 RANGE : 999.9 seconds.
 - 5.4 RESOLUTION : 0.1 seconds.
 - 5.5 ACCURACY : ± 0.01 % (Quartz controlled).
 - 5.6 DISPLAY : 12.5mm bright
 - 5.7 POWER : 230V $\pm 10\%$ at 50Hz
 - 5.8 Weight : 0.5Kg. (Approx)
 - 5.9 Dimension : W 160 x H 80 x D 45
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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