



55738 Experimental Set Up has been designed specifically to study the variation of time period with amplitude in large angle oscillations using 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 variation of time period with amplitude in large angle oscillations using Compound Pendulum.

FEATURES

The Set up consists of the following :

- 01 Compound Pendulum. It is meant for large angle oscillations with amplitude going upto 175° . It is essentially an aluminium rod of size 510mm approx. Supported by 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. with 4mm brass pin length 50mm and brass weight size 1.5 x 1"
- 02 Digital Timer - Two channel. It provides measurement of pulse duration, pulse period and two separate pulses with an accuracy of 10 micro sec. on each channel. Two four digit displays are used.
- 03 Photosensor.
- 04 Bras Pin 4mm $1\frac{1}{2} \times 4$ mm and Brass Wht. $1\frac{1}{2} \times 1$.
- 05 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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