



OMEGA TYPE ES-234 Experimental Set Up has been designed specifically to study the viscous fluid (air) damping of a compound pendulum. It also aims at determining the damping co-efficient and Q of the oscillator. 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 viscous fluid (air) damping of a compound pendulum.
- 02 To determine damping co-efficient and Q of the oscillator.

FEATURES

The Set up consists of the following :

- 01 Compound pendulum, OMEGA TYPE CP-166. 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 Digital Timer - Two channel OMEGA TYPE DT-018. 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 display are used.
- 03 Photosensor OMEGA TYPE PS-009 (for use with OMEGA TYPE DT-018).
- 04 Aluminium vanes of different areas.
- 05 Brass Pin
- 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