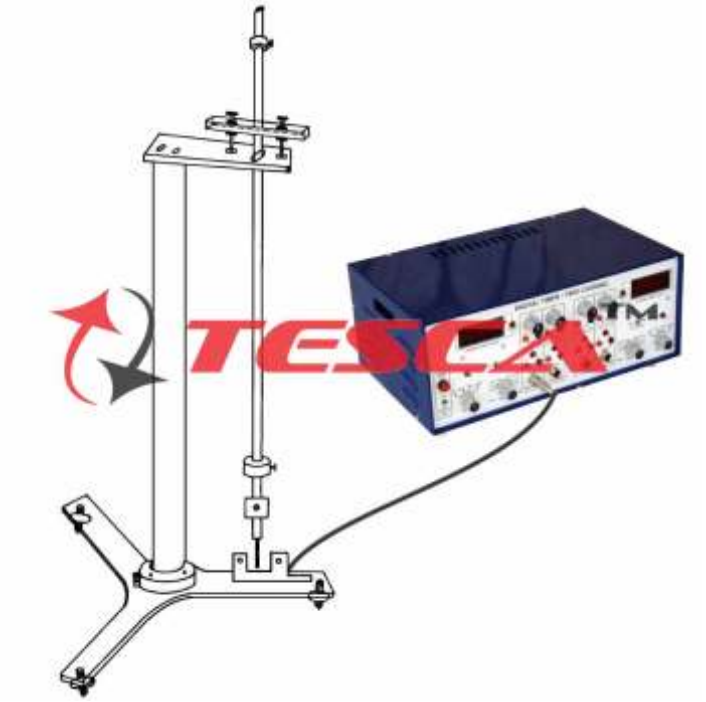

55734 Experimental Set Up has been designed specifically to study the viscous fluid (air) damping of a compound pendulum. It also aims at determining the damping co-efficient and Q of the oscillator. The set up is absolutely self contained and requires no other apparatus.
Practical experience on this 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. 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. 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 OMEGATYPE 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.

Note: Specifications are subject to change.

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