



55793 Experimental Set-Up has been designed specifically to determine the moment of inertia (I) of a given body with the help of an Inertia Table.

Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

To determine the moment of inertia (I) of a given body with the help of an Inertia Table.

FEATURES

The complete Experimental Set-up consists of the followings :

01 Inertia Table :

It consists of an Aluminium disc of approximately 15 Cm dia with a concentric groove & having four masses in it. An inverted U-shaped metal bridge is fitted on the Aluminium disc and its midpoint is fitted with a chuck for base which is fitted with levelling screws. It is provided with an auxiliary body of four different shapes. A mirror is also attached to count the number of oscillation with the help of lamp & scale arrangement (if used).

02 Digital Stop Clock :

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 through 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is $230V \pm 10\%$ 50Hz.

03 Spirit level : 60/80 mm length. (2 nos.)

04 Vernier Callipers

05 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

OTHER APPARATUS REQUIRED:

01 Physical balance with weight Box.

Note: Specifications are subject to change.

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