55823 Experimental Set-Up has been designed specifically for determination of Moment of Inertia of a Flywheel about its own axis of rotation. The set-up consists of Flywheel Digital stop clock, vernier callipers & set of weights. The set up is complete in all respect and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

To determine moment of inertia of a flywheel about its own axis of rotation.

FEATURES

The complete experimental Set-up consists of :

01 Flywheel : About 20 cms in dia. by 45mm wide turned and carefully balanced & mounted on horizontal shaft held in ball bearings. The wheel is marked & a pointer is fixed to the bracket having four holes can be fixed to the wall also fitted with a five digit revolution counter.

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 ±0.01% (Quartz controlled). Display is thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of . the unit is 230V± 10% 50Hz.

03 Vernier Callipers

04 Slotted weights with hanger : Set of six containing four slotted one hanger each weighing, 50 gm set total 250 gm. and one 200gm.

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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