



55911 Experimental Set-up has been designed specifically to verify the force ratio of end on position to board on position of a bar magnet.

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

01 : To verify the force ratio of end on position to board on position of a bar magnet.

Features

The Experimental Set-up consists of the following:

- 01 Vibration magnetometer** : An instrument to measure the period of vibration of a magnetic needle to determine the horizontal magnetic field strength at the needle. This device works on the principle, that whenever a freely suspended magnet in a uniform magnetic field is disturbed from its equilibrium position, it starts vibrating about the mean position
- 02 Wooden Scale** : 50 cm
- 03 Stop Watch** : 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 thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is 230V AC $\pm 10\%$ AT 50Hz.
- 04 Bar Magnets** : 2 inch bar magnet, 2 Nos.
- 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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