



55881 Experimental Set-Up has been designed specifically to determine the velocity of sound in air with the help of a resonance column using three tuning forks and to plot a graph between the frequency and the resonating length. 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 determine the velocity of sound in air with the help of a resonance column using three tuning forks and to plot a graph between the frequency and the resonating length.

FEATURES

The Complete Experimental Set-up consists of following items:

01 Resonance tube apparatus :

A metal pipe of length and diameter 1 meter and 2 - 4 cm respectively, is clamped on a vertical wooden plank. The wooden plank is fixed on heavy metallic base with leveling screws. The lower end of the resonance column pipe is connected to a water reservoir with a rubber tube. A transparent tube and scale is Also connected to the parallel of resonance pipe.

02 Two tuning forks of different frequencies.

03 Rubber pad.

04 Thermometer 110°C

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

Note: Specifications are subject to change.

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