

Product Name :
Resonance Tube Setup for Physics Electric Labs

Product Code :
BSC-TR-49



Description :

Resonance Tube Setup - Tuning fork of three different frequencies. Long tube helps in obtaining more resonance points. Resonance Tube Setup works on the principle of resonance and is useful apparatus for determining the speed of sound. It consists of the closed organ pipe attached to the water reservoir. When the sound waves are sent in closed organ pipe, standing wave pattern consisting of nodes and antinodes is formed. By varying the position of water reservoir, the length of air column in closed organ pipe changes. The length at which antinodes are formed is being noted. Nvis 6053 facilitates measurement of speed of sound by both conventional and new (electrical) methods. In first method, the sound wave of fixed frequency is generated with the help of tuning fork and the position of antinode is found by hearing the intensity of sound. The second method uses an audio transceiver for generating sound wave of fixed frequency and the condition of resonance is detected on oscilloscope.

Provided with Audio Transceiver for accurate measurement

Tuning fork of three different frequencies

Long tube helps in obtaining more resonance points

Easy to operate

Learning material CD

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