OMEGA®

A SIGN OF QUALITY PRODUCT

TO STUDY AND DETERMINE THE VELOCITY OF SOUND IN AIR USING THE QUINCKE'S TUBE METHOD

OMEGA TYPE ES-395

OMEGA TYPE ES-395 Experimental Set Up has been designed specifically for To study and determine the velocity of sound in air using the quincke's tube method at room temperature.

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: - To study and determine the velocity of sound in air using the quincke's tube method

FEATURES:-

The Experimental Set-up consists of the following:

01 QUINCKE'S TUBE

The Quincke's tube set up consists of two U shaped tubes A and B fitted in a horizontal wooden plate farm, Size 18" x 48" such that the tube B can be slide within or out of the tube A. The tube A has two openings L_1 and L_2, one in each of its arms. At the opening L1, the speaker connected at the output of audio generator is placed which emits a sound of frequency nearly 1 KHz and at the other opening L_2, the sound is listened.

The Board consists of following.

02 AUDIO GENERATOR : Audio generator of 1KHz with amplitude control 0-15V. with 4mm jack socket for speaker 8 Ohm 2".

03 Audio detector by Mice with the help of millivoltmeter and 2mm jack socket.

04 Digital Voltmeter AC 3½ Digit Having range of 200mVAC to deduct audio single.

05 Adequate no. of other electronic components

06 Mains ON/OFF switch, Fuse and Jewel light.

07 The unit is operative on 230VAC ±10% at 50Hz.

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

09 Weight : 6.00 Kg. (Approx.)

10 Dimension : W 48" x H 7" x D 18" approx

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