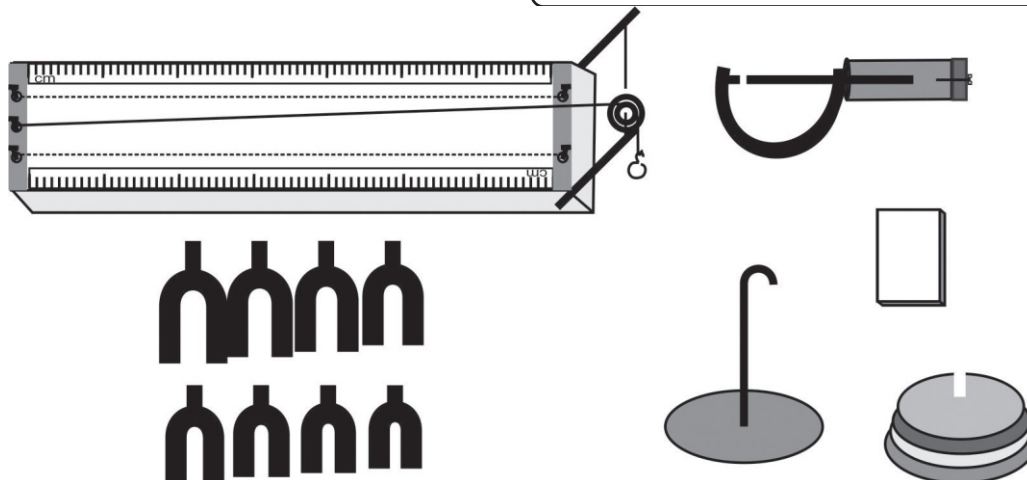


RELATION BETWEEN FREQUENCY AND LENGTH OF A GIVEN WIRE AND TENSION FOR CONSTANT FREQUENCY USING A SONOMETER OMEGA TYPE ES-372



OMEGA TYPE ES-372.1 Experimental Set-Up has been designed specifically for experiments with Sonometer. To study the relation between frequency and length of a given wire under constant tension using a sonometer, To study the relation between the length of a given wire and tension for constant frequency using a sonometer

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

1. To study the relation between frequency and length of a given wire under constant tension using a sonometer.
2. To study the relation between the length of a given wire and tension for constant frequency using a sonometer.

FEATURES

The complete Experimental Set-up consists of the followings:

- 01 **SONOMETER:** One meter long, made of soft wood and well polished. Fitted with two meter scale graduated in centimeters. It is provided with wire of two different material steel and brass, sliding knife edges and hook etc.
- 02 **TUNING FORK:** Set of eight, small size made of steel, nickel plated. Frequency is marked on the tuning forks. The frequencies are 256, 288, 320, 341, 384, 420, 480 and 512.
- 03 **RUBBER PAD FOR TUNING FORK**
- 04 **SLOTTED WEIGHTS:** 1/2 KG SET OF 5 INCLUDING HANGER i.e. 2½ KG TOTAL.
- 05 **MICROMETER SCREW GAUGE.**
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS