



OMEGA TYPE ES- 276 Experimental Set-Up has been designed specifically to perform Melde's experiments by using electrically maintained tuning fork. (1) Determination of the frequency of an Electrically Maintained Tuning Fork. (2) Verification of laws of vibrating strings that is to show that $l^2/T = \text{constant}$.

The set-up consists of Electrically Maintained Tuning Fork, Stand with Pulley, Light weight pan, Battery eliminator etc.

Practical experience on this setup carries great educative value for Science and Engineering Students.

OBJECT

- 01 To determine the frequency of an electrically maintained tuning fork by Melde's experiment using.
 - 1.1 Transverse arrangement.
 - 1.2 Longitudinal arrangement.
- 02 To verify the laws of vibrating strings by Melde's experiment that is to show that $l^2/T = \text{constant}$ using.
 - 2.1 Transverse arrangement.
 - 2.2 Longitudinal arrangement.

FEATURES

The complete Experimental Set-up consists of the followings :

01 ELECTRICALLY MAINTAINED :

A large heavy nickel plated fork of approximately 60 vibrations is fitted on heavy cost tuning fork iron stand, with a special arrangement enabling the apparatus to be used horizontally or vertically. Complete with electromagnetic relay fitted with silvered points of contact. Works on 4 - 8 volts battery current. The electromagnet is adjustable so that amplitude of vibration may be varied between wide limits.

02 STAND WITH PULLEY

03 LIGHT WEIGHT PAN

04 BATTERY ELIMINATOR :

OMEGA TYPE BE-12/4.

(Range 0 to 12V D.C. at 4Amp.)

05 Half metre scale

06 Connecting wires

07 Weight : 11.4 Kg. (Approx.)

08 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

Works:

28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
omegajipur62@gmail.com

www.omegaelectronics.net

Marketing Division:

B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223