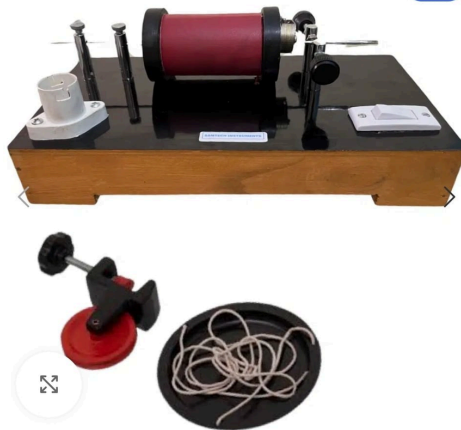


## IV-E724 To Find The Frequency Of An AC Supply Using Vibrator



- A STEEL WIRE WITH A HOOK ON ONE SIDE IS MADE TO PASS THROUGH SOLENOID AND A
- HORSE SHOE MAGNET. WHEN 220 VOLTS A.C. CURRENT IS PASSED THROUGH THE SOLENOID THE
- STEEL WIRE REVERSE WITH EVERY CHARGE OF A.C CURRENT DIRECTION AND VIBRATES WITH THE
- FREQUENCY OF A.C. MAINS. THE FREQUENCY IS CALCULATED AS IS DONE IN MELDE'S APPARATUS. IT
- CAN ALSO BE USED TO MEASURE THE CAPACITY OF A CONDENSER BY APPLYING THE FORMULA
- $C=1/Vf$ , WHERE C IS THE CAPACITY OF THE CONDENSER, THE MICROAMETER CURRENT. V THE MAIN
- VOLTAGE AND F THE FREQUENCY.

### Scope of Learning:

- To Find The Frequency Of An Ac Supply Using Vibrator.

### Scope of Learning:

- Electrical Vibrator
- Physical Weight Box Brass
- Length of String: 88cm (approximate)
- Lamp 230V