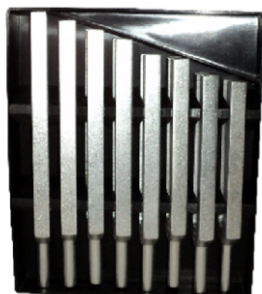


Experiment(s):

1. Determination of frequency of the AC mains
 2. Verification of the law of vibration of scratched string
- (For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(c)



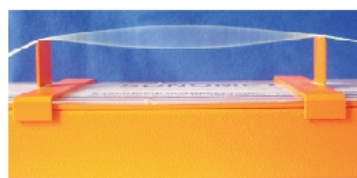
(b)



(d)



Large Amplitude



(e)



Experiment Setup Consists:

- a) Sonometer
- b) Weight Set
- c) Tuning Fork
- d) Digital Tuning Fork
- e) Electromagnet, Power Supply and Stand

Specifications:

a) Sonometer:

Length: 1/2 m
Material: Metal
Knife Edge: Metal

b) Weight Set:

Slotted weight: 5x50 gm

c) Tuning Fork:

Calibrated Aluminium Tuning fork with rubber pad, Set of 8

d) Digital Tuning Fork:

Alternate to Manual tuning fork, adjustable frequency and fixed amplitude
Audible up to 85dB

e) Electromagnet, Power Supply and Stand

Electromagnet: Copper Coil wound on Iron solenoid, Resistance 4 Ohms
Power Supply: 6V/3A with 4mm Banana pins
Mains operated 220V, 50Hz or 110V, 60Hz
Mains cord: 2 pin
Stand: Height Adjustable

Reference : Lab Experiments Journal vol-14, No.4, Page-288



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