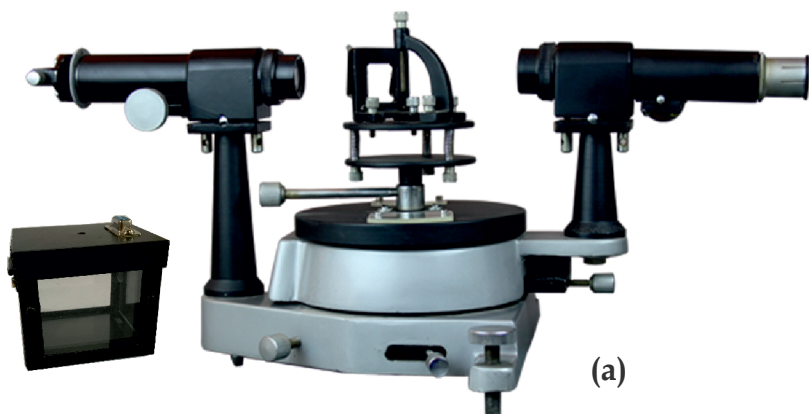


Experiment(s):

1. Determination of velocity of sound in liquids

(For more details, procedure & manual visit: www.kamaljeeth.net)

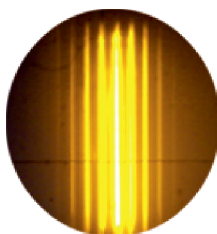
Reference : *Lab Experiments Journal vol-6, No.4, Page-309*



(a)



(b)



(c)

**Experiment setup consists:**

- Spectrometer
- Radio Frequency (RF) oscillator
- Sodium vapour lamp set

Specifications:**a) Spectrometer**

Scale: 6" diameter (Brass)

Base: Cast iron with levelling screw

All moving parts made of brass for accuracy

Collimator with adjustable slit
Horizontal axis alignment for collimator: Yes

Horizontal axis alignment for telescope: Yes

Centre table: Height adjustable with provision for prism and grating holder

Telescope with user changeable cross wire and eyepiece

b) R.F Oscillator

Frequency range: 3-10 MHz

Selection: Manual using fine and coarse knobs

Amplitude: Fixed

c) Sodium vapour lamp set (Optional)

Lamp: Philips / Thorne 35 W

Lamp house: Single lamp type with fixed slit openings

Transformer: 35 W, Instant ON type

Rated Input: 220 V/50 Hz
or 110 V/60 Hz



KAMALJEETH INSTRUMENTS

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