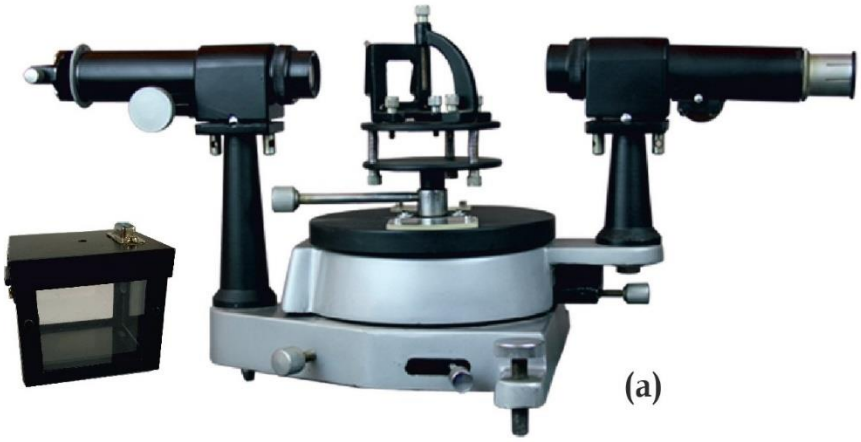
KPH-40

ULTRASONIC INTERFEROMETER

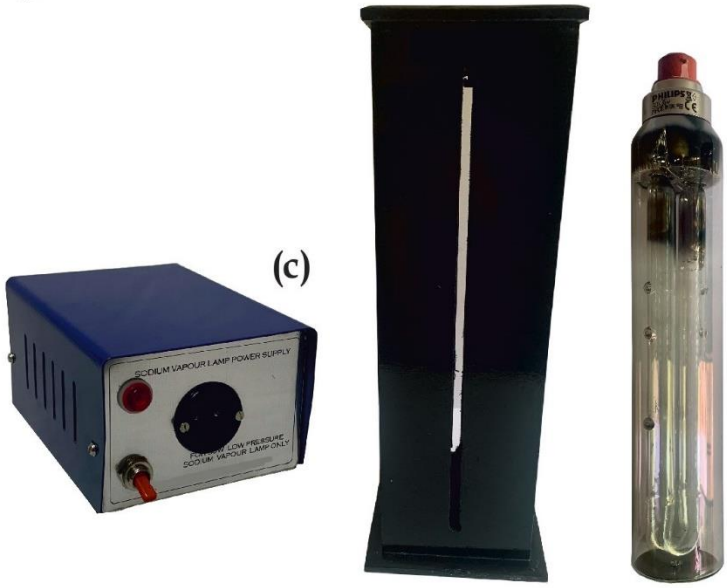
Experiment(s):

1. Determination of velocity of sound in liquids



(a)

(b)



(c)

Experiment setup consists:

a) Spectrometer

b) Radio Frequency (RF) oscillator

c) 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

Note: Specifications and Photos can be altered without prior notice in our constant efforts for improvement.