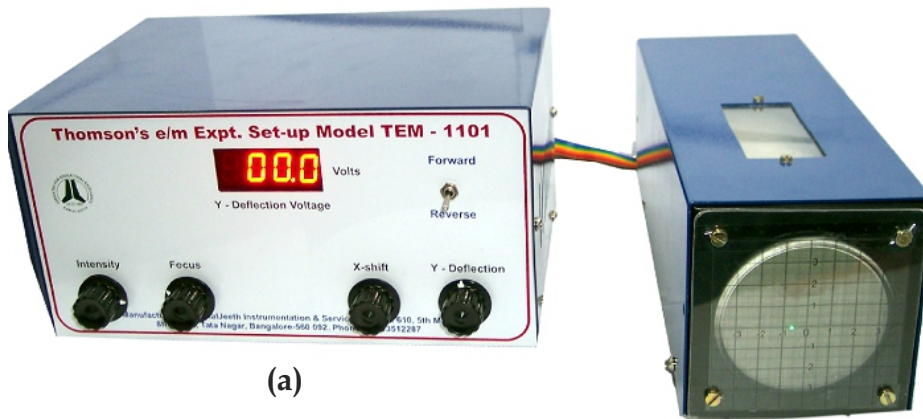


Experiment(s):1. Determination of e/m of an electron by Thomson's Method(For more details, procedure & manual visit: www.kamaljeeth.net)

(a)

(b)



(c)

(d)



(e)

Experiment Setup Consists:

- a) Power Supply
- b) CRT Tube
- c) Stand
- d) Compass
- e) Magnet

Specifications:**a) Power Supply:**

High Tension and Low Tension bias supply for CRT tube, Variable Deflection voltage for X-shift and Y-deflection beam movements

Meter: Digital Voltmeter for measuring deflection potential

b) CRT Tube:

Diameter: 60mm

Scale: X and Y Axis marked in mm with zero adjustment & position of deflecting plates marked

c) CRT/Compass Stand:

Material: Acrylic

Magnet guide bed: For equi-distance movement up to 19 cm on either sides

d) Compass:

Size: 100 mm diameter

Mirror for reduced parallax error

e) Bar Magnet Pair:

Material: AlNiCo

Size: 50 mm

Reference : Lab Experiments Journal vol-11, No.4, Page-253



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