Experiment(s):

 Determination of e/m of an electron by Thomson's method (For more details, procedure & manual visit: www.kamaljeeth.net)
Reference : Lab Experiments Journal vol-11, No.4, Page-253

Thomson's e/m Expt. Set-up Model TEM - 1101 A (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 Rated Input: 220 V/50 Hz or 110 V/60 Hz

b) CRT tube Diameter: 60 mm Scale: x-axis 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 15 cm on either sides

d) Compass Size: 100 mm diameter Mirror for reduced parallax error

e) Bar magnet pair Material: AlNiCo Size: 50 mm



KAMALJEETH INSTRUMENTS

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3 years manufacturing

warranty

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