



**SCOPE OF LEARNING:**

- Determining the value of specific charge  $e/m$  of an electron by Thomson Method

**TECHNICAL SPECIFICATIONS:**

Cathode Ray Tube Distance between Plates	: $d=1.4\text{cm}$
Length of Plates	: $l=3.23\text{cm}$
Distance between Screen and Plates (edge)	: $L=14.5\text{cm}$
Focusing Voltage	: Variable 0 - 300V DC
Intensity Adjustment Voltage	: Variable 0 - 60V DC
Deflection Voltage	: Variable 0 - 50V
Scale	: 0 - 25cm each side
CRT connection	: Octal socket
Digital Meter	: 3 ½ Digit (LED Display)
Deflection magnetometer	: 0 to 90°
Mains	: 230V AC $\pm 10\%$ , 50Hz
Fuse	: 500Ma
Dimension of Power Supply(mm)	: W 215 x D 195 x H 130

**SALIENT FEATURES:**

- DC Power Supply instrument for CRT
- LED to measure deflection voltage
- Focusing adjustment provided
- Intensity adjustment provided
- Cathode Ray Tube mounting on acrylic stand
- Deflection magnetometer provided
- Octal socket provided on the front panel of power supply for connecting CRT

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Order Code – 26279876.3  
E/M THOMSON EXPERIMENT SETUP  
(BAR MAGNET SETUP)

- Provided with Pair of bar magnet and Compass Box Online product tutorial

**OPTIONAL ACCESSORIES:**

- No



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