



55959 e/m By Thomson Method is a very useful product for Physics and Basic Science Laboratories. This is used to find the specific charge density of an electron particle in a CRT by Thomson method using BAR magnet. This system is provided with a power supply unit for CRT and Deflection Magnetometer with stand arrangement and mounting stand for CRT. 55959 is a microcontroller based instrument with LCD display for displaying deflection voltage. It is highly secure and stable system.

Features

1. Microcontroller based power supply instrument for CRT
2. LCD to measure deflection voltage
3. Focusing adjustment provided
4. Intensity adjustment provided
5. Cathode Ray Tube mounting on acrylic stand
6. Deflection magnetometer provided
7. Octal socket provided on the front panel of power supply for connecting CRT
8. Provided with Pair of bar magnet and Compass Box

Object

1. Determining the value of specific charge e/m of an electron by Thomson Method

Technical Specifications

Cathode Ray Tube

Distance between Plates	:	d=1.4cm
Length of Plates	:	l=3.23cm
Distance between Screen and Plates (edge)	:	L=14.5cm
Focusing Voltage	:	Variable 0 - 300V DC
Intensity Adjustment Voltage	:	Variable 0 - 60V DC
Deflection Voltage	:	Variable 0 - 50V
Scale	:	0 - 30cm each side
CRT connection	:	Octal socket
LCD	:	16 x 2 Characters
Deflection magnetometer	:	0 to 90°
Mains	:	230V AC ±10%, 50Hz
Fuse	:	500mA
Dimension	:	W 215 x D 195 x H 130

Note: Specifications are subject to change.