



Nvis 6103 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. Nvis 6103 is a microcontroller based instrument with LCD display for displaying deflection voltage. It is highly secure and stable system.

Features

- Microcontroller based power supply instrument for CRT
- LCD to measure deflection voltage
- Focusing adjustment provided
- Intensity adjustment provided
- Cathode Ray Tube mounting on acrylic stand
- Deflection magnetometer provided
- Metal DIN Connector provided on the front panel of power supply for connecting CRT
- Provided with Pair of bar magnet and Compass Box
- Online product tutorial

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=1.4cm
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	:Metal DIN Connector
LCD	:16 x 2 Characters
Deflection magnetometer	:0 to 90°
Mains	:230V AC \pm 10%, 50Hz
Fuse	:500mA
Dimension	:W 215 x D 195 x H 130