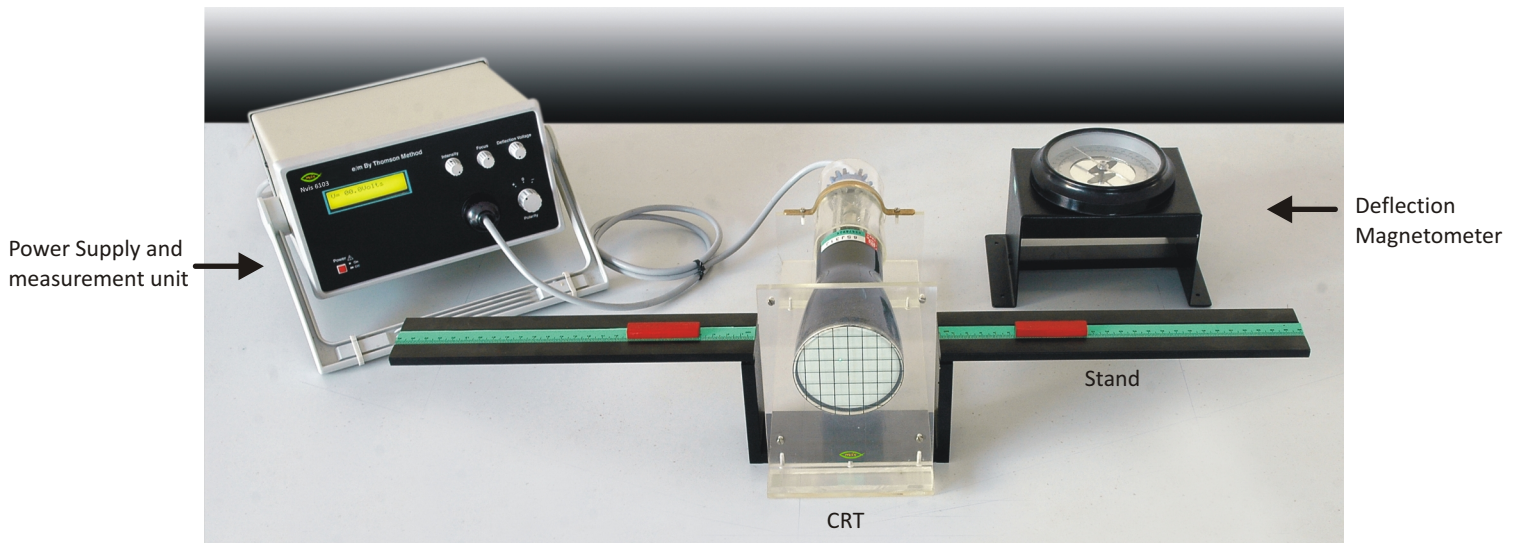




e/m By Thomson Method

Nvis 6103



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
- Octal socket 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 :Octal socket

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