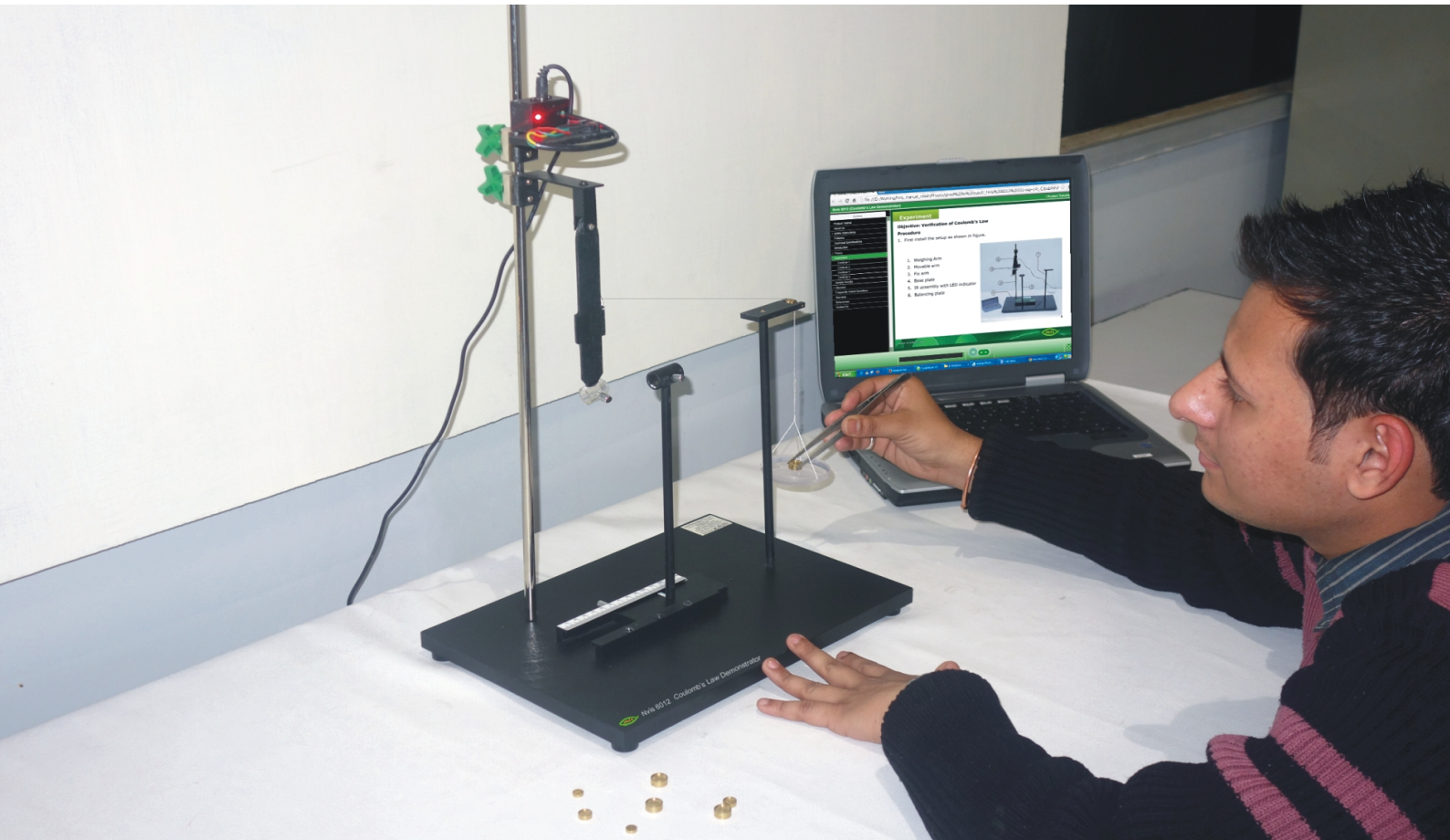




Coulomb's Law Demonstrator

Nvis 6012



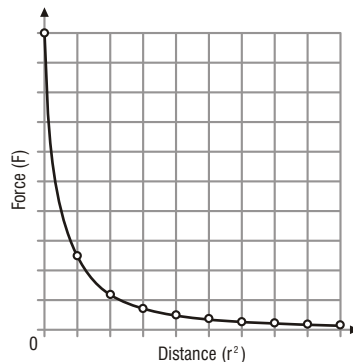
Nvis 6012 Coulomb's Law Demonstrator is an important setup to understand the conceptual aspect of Coulomb's law. Coulomb's law states that the force between two electrical charges is proportional to the product of the charges, and inversely proportional to the square of the distance between them. Coulombic force is one of the principle force involved in atomic reactions. Coulomb's Law is applicable for Electric field, Gravitational field and Magnetic field. In this product Magnetic force is used for Coulomb's Law Demonstration. A pair of Magnets of constant and equal pole strength are mounted horizontally with varying distance. It allows the Inverse Square law to be verified with reasonable accuracy. A simple balance system is developed to measure force between two magnets in end on position.

Features

- Easy way of Magnetic Force Demonstration
- LED Indicator
- Infrared light detection for balancing
- Complete Training Setup
- Online product tutorial

Scope of Learning

- Verification of Coulomb's Law



Technical Specifications

Magnets

Quantity	: 2 Nos.
Length	: 4cm
Type	: Neodymium

Balancing

: By IR detection

Scale

: 0 - 14cm

Adaptor Output

: 6V DC, 500mA

Mains Supply

: 230V ±10%, 50Hz

Dimensions (mm)

: L360 x B 255

Subject to change - Version 2.0

Designed & Manufactured in India by

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