



55923 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

1. Easy way of Magnetic Force Demonstration
2. LED Indicator
3. Infrared light detection for balancing
4. Complete Training Setup

Object

1. 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 \pm 10%, 50Hz
Dimensions (mm)	:	L 360 x B 255

Note: Specifications are subject to change.

