



Magnetism Lab

Nvis 6004



Magnetism Lab Nvis 6004 is a versatile training kit for laboratories. It provides a good basis for understanding the fundamentals of magnetism. This kit is provided with different types of materials and shapes of magnet, Magnetic Compass, Magnetic Field Demonstrator, Lenz's Law Apparatus and Motor Assembly.

Features

- Complete training system to study the fundamentals of magnetism
- Provided with easiest way of magnetic field demonstration
- Dramatic demonstration of Lenz's Law
- Homopolar motor demonstration
- Provided with floating ring magnets and a dowel to demonstrate magnetic levitation
- Provided in a good quality carrying case with inserted foam

Scope of Learning

- Study of different types and shapes of magnet
- Plotting of the combined magnetic field of the earth and a bar magnet and to locate the neutral points. Calculation of the magnetic moment and the pole strength of the magnet
- Study of magnetic field lines by Magnetic Field Demonstrator
- Study of magnetic levitation by Floating Ring Magnets
- Study of Oersted Law
- Study of Faraday's Law of Electromagnetic Induction
- Study of Lenz's Law
- Study of Electromagnet
- Study of the principle of motor by a simple assembly of motor

Contents and Specifications

Types of material of magnet :

1. Alnico
2. Ceramic or ferrite
3. Rare earth magnet (Neodymium)

Shapes of Magnet :

1. Bar Magnet
2. U-Shape Magnet
3. Horse shoe Magnet
4. Cylindrical Magnet
5. Ring Magnet
6. Disc Magnet

Magnetic Compass

Magnetic Field Demonstrator

Lenz's Law Demonstrator

Motor Assembly

Coil :

No. of Turns	: 400
Inductance (approx.)	: 2.3mH
Max. Current	: 0.728A