

Electrolab Magnetics



The magnetic set is that part of the Electrolab which deals with magnetic and electromagnetic phenomena. The magnetic set may be purchased separately. Molded plastic compartments with legend ensures that no parts are mislaid at the end of the session.

Features

A large number of parts are included in the kit, and their very selection allows the same component to be used in an outstanding number of experiments which are normally taught theoretically as the actual experiment can be most expensive.

SPECIFICATION

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| ■ 1 x Motor Action Stirrup | ■ 1 x Magnetic compass |
| ■ 2 x Bar magnets | ■ 1 x Aluminium Ring |
| ■ 1 x U Magnet | ■ 1 x Insulating tube |
| ■ 2 x Electromagnets/ magnetic poles | ■ 1 x Helix |
| ■ 1 x Vertical Support | ■ 1 x Electric motor frame |
| ■ 1 x U core laminations | ■ 1 x AC/DC rotor/armature |
| ■ 1 x I Core lamination | ■ 2 x Permanent Magnet Poles |
| ■ 1 x Set of magnetic strips | ■ 1 x Set of brushes AC |
| ■ 1 x Set of non magnetic strips | ■ 1 x Set of brushes DC |
| ■ 1 x Coil 100 turns | ■ 1 x Electric Meter body |
| ■ 1 x Coil 200 turns | ■ 1 x Meter Needle |
| ■ 1 x 1m Varnished coil wire | ■ 1 x plane – field determination |
| ■ 2 x Crocodile clips with springs | ■ 1 x set of leads |
| | Manual 700em/man |

Educational Contents

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|-----------------------------------|---|
| ✓ Electricity produced by Magnets | • Generation of AC |
| ✓ Magnetism | • Generation of DC |
| ✓ Magnetic Field | • Generation of AC & DC by an electromagnetic field |
| ✓ Magnetic properties | • DC Motor with permanent magnetic field |
| ✓ Magnetic strength | • Series Wound DC Motor |
| ✓ Magnetic field around conductor | • Shunt wound DC Motor |
| ✓ The Helix | |
| ✓ Electromagnetic strength | |
| ✓ Electromagnetic effect | |
| ✓ The action of a relay | |
| ✓ The meter movement | |
| ✓ Lenz's Law | |
| ✓ Self inductance | |
| ✓ Transformer action | |
| ✓ Motor Action | |

Order

Electromagnetic kit Model 700em