Set (Oersted), basic

SCN-F006B

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Electromagnetism. The Oersted experiment and electromagnetism. The right-hand rule for a straight conductor, which relates the orientation of the magnetic induction lines to the direction of the electric current flowing in the conductor. Observing the electromagnetic effect around straight conductors carried by an electric current. The direction of the magnetic induction field vector at a point above the rectilinear conductor, as a function of the direction of the electric current flowing through it. The direction of the magnetic induction field vector at a point below the rectilinear conductor, as a function of the direction of the electric current flowing through it. Knowledge from the Oersted experiment, applied to a loop. What is meant by ideal loop in electromagnetism. The direction of the magnetic induction field vector at a point inside a conducting loop as a function of the direction of the electric current flowing through it. The right-hand rule relating the direction of electric current to the direction of the vector magnetic induction around the conducting wire of a loop, etc.

Note: Power supply and wire connections are not included.

Knowledge areas

Physics - Compact Kits

Level

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