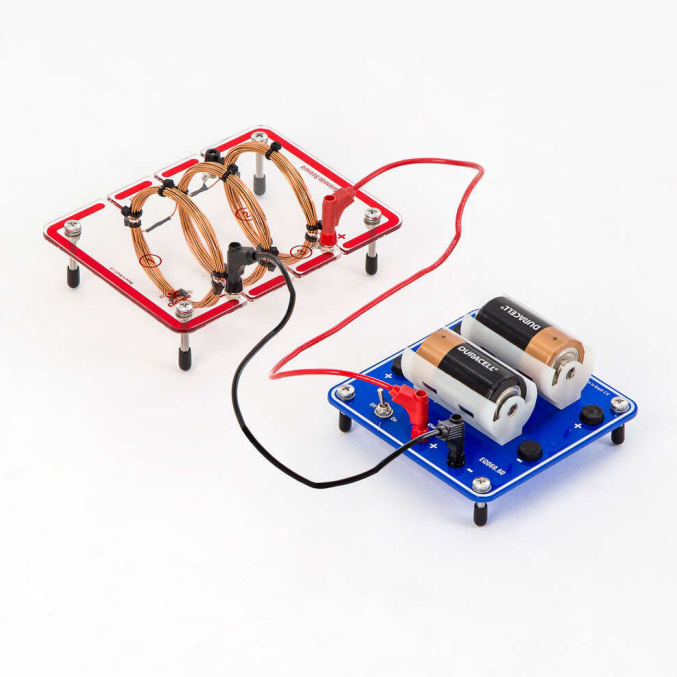

Solenoid assembly, parallel coils, with source (DC)

SCN-F006F

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Electromagnetism. The magnetic induction inside a loop and a solenoid, traversed by an electric current. What is meant by ideal loop in electromagnetism. The loop, the electric current it carries, the magnetic lines of force, and the induced magnetic field around it. The loop is the right-hand rule that relates the direction of the electric current it conducts to the direction of the magnetic induction vector inside the loop. The solenoid, the electric current it conducts, the magnetic lines of force, and the induced magnetic field around it. Applying the right-hand rule to determine the direction of the electric current or the direction of the magnetic induction vector inside the solenoid, knowing one of them. The relationship between the intensity of the magnetic induction vector with the current intensity, the number of turns and the length of the solenoid, its interior, etc.

Note: Batteries are not included.

Knowledge areas

Physics - Compact Kits

Level

Graduation - High school

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