

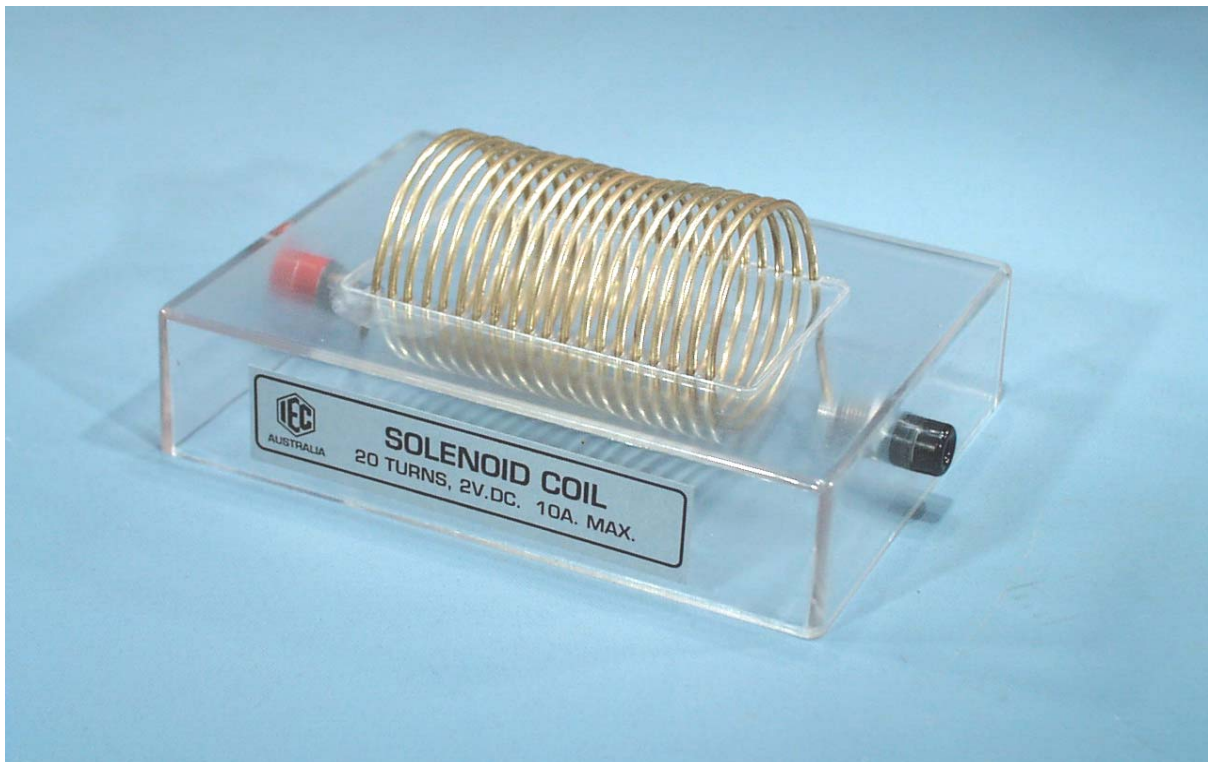
MAGNETIC FIELD DEMONSTRATOR – solenoid

EM2067-030 spiral coil through base plate

DESCRIPTION: This Magnetic Field Demonstrator consists of a round spiral coil passing through a transparent base plate to carry current so the field shape around a solenoid coil can be demonstrated. Can be used on an overhead projector.

By using plotting compasses on the base plate, the magnetic field formed by the solenoid coil can easily be seen and studied. Iron filings respond slightly but compasses are better.

EM2067-030 Solenoid



Physical size: 140x96x54mm LxWxH

Weight: 0.14 kg

INSTRUCTIONS:

Place the demonstrator on a table or on an overhead projector. Use say 8 plotting compasses to see and study the field and iron filings respond gradually by tapping the base. Connect to a DC power source. **DO NOT EXCEED ABOUT 2V.DC. Maximum current through the coil is 10 amps. DO NOT OVERHEAT THE COIL.**

The coil has 20 turns of brass wire and about 6 or 8 amps should be enough to provide a magnetic field to provide a good demonstration. When projected to the wall or to a screen, large sharp images will enhance the demonstration for the whole classroom.

Designed and manufactured in Australia