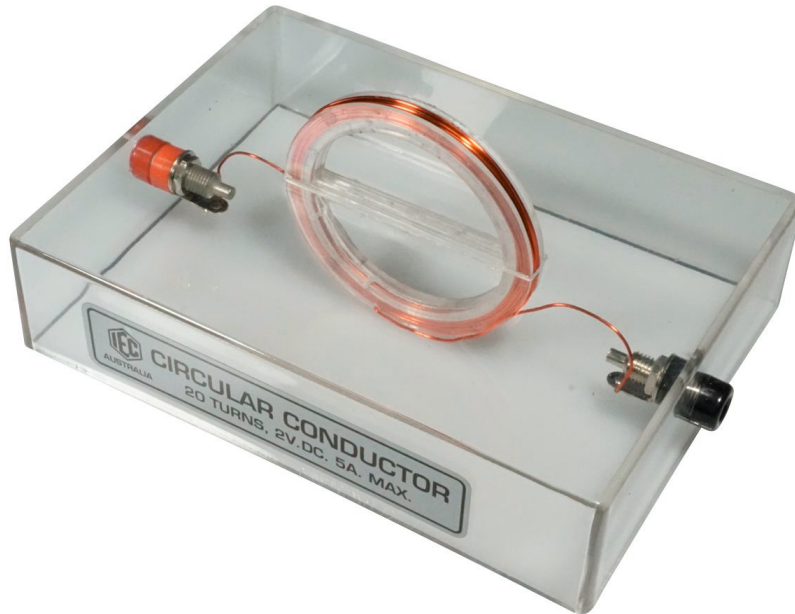


Magnet Field Demonstrator

Circular Conductor



EM2067-020

Description:

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

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

Instructions:

Place the demonstrator on a table or on an overhead projector. About 8 plotting compasses are used to show the magnetic field and iron filings respond gradually by tapping the base. Connect to a DC power source. **DO NOT EXCEED 6V.DC. Maximum current through the coil is 5 amps. DO NOT OVERHEAT THE COIL.**

The coil has 20 turns of copper wire and about 3 or 4 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..

Length: 140mm	Width: 96mm	Height: 57mm	Weight: 100g
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Designed and manufactured in Australia

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