Coil - Large

50 Turns, 2A. Max

EM1915-020 Large Air Coil

Description:

General purpose large air coil, wound to provide a magnetic field in air for general studies in magnetism.

It is made from polycarbonate for high temperature resistance and for physical strength.

Coil is complete with a strong plastic foot so that the coil can stand on a table with the coil standing edgeways vertically.

The terminals are 4mm spin-free socket head and the wiring is tamper-proof for student use.

Alternatively, the coil can be placed flat on a table to lie horizontally. If necessary, the foot can be removed by removing one small screw.

The direction of current flow through the coil is indicated on the coil providing the polarity of the power supply to the terminals is correct

Caution:

The coil resistance is LOW so it is very easy to cause a very high current to pass through the coil. Wire is wound on a plastic former and although the plastic is rated for high temperature, do not overheat.

If current of 1 amp is exceeded or if the 1 amp current is permitted to flow for prolonged periods, the coil can become very hot. Always turn off power source or reduce current flow after measurements have been taken.

Inside Diameter: 115mm	Number of turns: 50 turns	Maximum Current: 2 Amps
Outside Diameter: 163mm	Wire size: 0.9mm diameter	Maximum Voltage: 1.4V AC or DC
Average Coil Diameter: 150mm	Weight: 250g	Approx. Resistance: 0.7 ohms

Designed and Manufactured in Australia

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