

**COIL - large, 400T 1A max.**

Cat: EM1915-040 max: 1A

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

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

EM1915-040 large air coil**Physical size: 115mm ID, 163mm OD, 150mm average coil diam.****Weight: 0.39 kg**



Specifications:

Inside diameter of coil bobbin: 115mm.
Outside diameter of coil bobbin: 163mm.
Coil winding diameter: 150mm average
Number of turns: 400 turns.
Wire size: 0.45mm diameter
Approx. resistance: 20 ohms
Maximum current: 1 amps.
Therefore maximum voltage to apply is: 20V.AC or DC
Physical: Weight: 390 gram.

CAUTION: The coil resistance is LOW so it is very easy to cause a very high current to pass through the coil. Take care.

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.

Designed and manufactured in Australia