



Current Carrying Coil Setup is useful to understand the concept of Electromagnetism. The product is also known as Stewart and Gee apparatus. This setup is helpful for the study of magnetic field around a current carrying coil. The setup illustrates how magnetic field generates by applying electric current in any current carrying conductor. For this purpose Tangent Galvanometer is used, which is based on Tangent law of magnetism.

Technical Features:

The experimental set-up consists of the

Following

Mains : 230 V AC $\pm 10\%$, 50 Hz

DC Power

Supply : 10 Volt, 2 A selectable through potentiometer

Reversing

Switch : 1 no. To reverse the direction of magnetic field

DC Ammeter : 0 - 2 A

Tangent Galvanometer

Type : Stewart and Gee

Scale : 50 - 0 - 50 cm

Magnetometer

Pointer : Aluminium

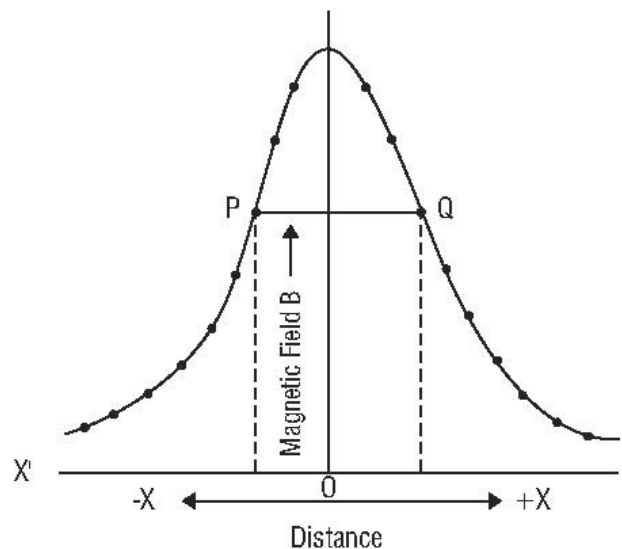
Quadrant : $0^\circ - 90^\circ$ (Four)

Coil Bobbin : Aluminium

Diameter : 19 cm approx.

Wire : Insulated copper

Turns : 0 to 5, 50, 500



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