



55942 Current Carrying Coil Setup is designed to explain the concept of Electromagnetism. This product is also known as Stewart and Gee's apparatus. This setup is helpful for the study of magnetic field around a current carrying coil. It illustrates how magnetic field is generated by applying electric current in any current carrying conductor. For this purpose Tangent Galvanometer is used, which is based on Tangent law of magnetism.

Features

1. A complete setup with all accessories
2. Precise Tangent Galvanometer
3. Sliding Magnetometer
4. Provided with DC Power Supply
5. Compact Design

Object

1. Determination of the radius of a current carrying coil
2. Determination of the magnetic field with the variation of distance along the axis of current carrying coil

Technical Specifications

DC Power Supply	:	5V, 2.6A
DC Ammeter	:	0 - 3A
Tangent Galvanometer		
Type	:	Stewart and Gee
Scale	:	40 - 0 - 40 cm
Magnetometer		
Pointer	:	Aluminum
Quadrant	:	0° - 90° (Four)
Coil		
Bobbin	:	Aluminium
Diameter	:	19 cm
Wire	:	Insulated copper
Turns	:	0 to 5, 50, 100, 200, 500
Mains Supply	:	230V \pm 10%, 50Hz

Note: Specifications are subject to change.