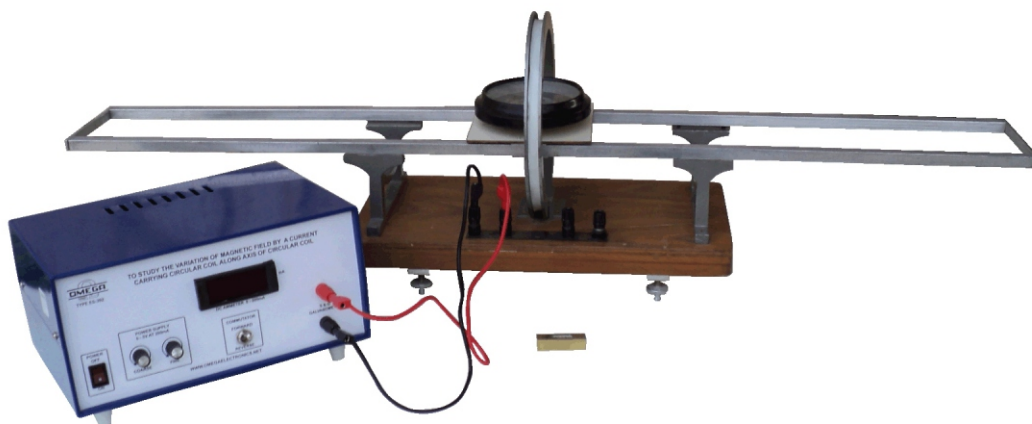


**TO STUDY THE VARIATION OF MAGNETIC FIELD BY  
A CURRENT CARRYING CIRCULAR COIL  
ALONG AXIS OF CIRCULAR COIL.**

OMEGA TYPE ES-392



**OMEGA TYPE ES-392** Experimental Set-up has been designed specifically to study the variation of magnetic field by a current carrying circular coils along axis of circular coil Draw necessary graph for it and find the radius of the coil

The set-up consists of an apparatus for variation of magnetic field by a current carrying circular coils complete setup box power supply, S & G Tangent Galvanometer along with compass box Spirit level etc.

The set-up is complete in all respect and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

### OBJECT

01 To study the variation of magnetic field by a current carrying circular coil along axis of circular coil. Draw necessary graph for it and find the radius of the coil

### FEATURES

- 01 The Set up consists of the following :
  - 1.1 DC Variable Power Supply 0-5V at 200mA with Coarse & Fine control
  - 1.2 Digital Ammeter range 0-200mA
  - 1.3 Reversing switch acts as commutator
- 02 An apparatus for variation of magnetic field at center of coils when radius remains constant and turns vary. The number of turns are 100, 150 & 200 fitted with compass box. Compass box is Pye Type with bakelite case, metal dial, anti parallel mirror and with aluminum pointer fitted with jewel. Stewart & Gee Tangent Galvanometer
- 03 Spirit level.
- 04 Adequate no. of connecting wires.
- 05 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

**OMEGA ELECTRONICS**