

MAGNETIC FIELD ALONG THE AXIS OF THE COIL

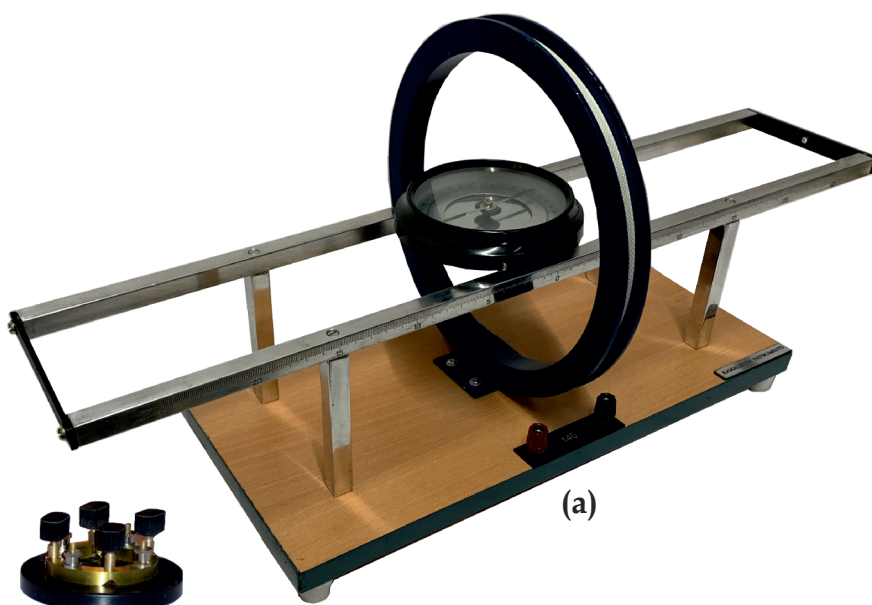
Model: SG-201/410

Experiment(s):

1. Determination of Magnetic field along the axis of the coil

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : Lab Experiments Journal vol-12, No.3, Page-179



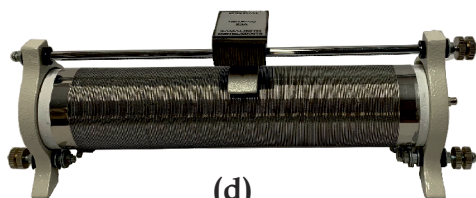
(a)



(b)



(c)



(d)



Specifications:

a) Circular coil apparatus

Coil on board arrangement

Coil turns: 140

Material: 99% Pure copper

Slider: 50 cm

Compass: 4 inch with mirror

under needle to reduce error

Coil diameter: 180 mm

Commutator: 4 key type

b) Regulated battery eliminator

Output: Regulated DC output

Voltage: Selectable

(1.2, 2, 4, 6, 8, 10, 12V)

Max current: 2 A

Key: Built in switch

c) Digital ammeter

Range: 0-2 A

Resolution: 0.01 A

Rated Input: 220 V/50 Hz

or 110 V/60 Hz

Power consumption: <20 W

Cabinet: Acrylic body,
aluminium bottom

d) Rheostat and connecting wire

Tube Length: 300 mm

Contact: Spring loaded Copper
blades

Resistance wire: Nichrome

Terminals: 3 (X-0-Y)

Max. current: 2 A

Max. resistance: 100 Ω



KAMALJEETH INSTRUMENTS

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3 years manufacturing
warranty