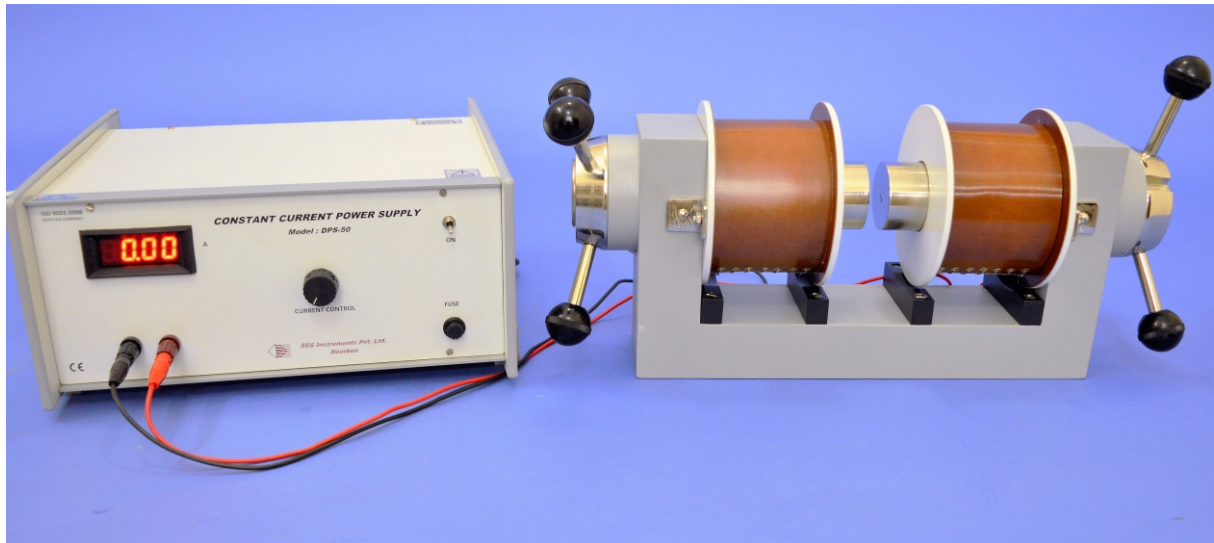


EMU-50

Electromagnet



EMU-50, EMU-50T

These electromagnets have the most widely used 'U' shaped soft iron yoke. The soft iron is of a special quality, structurally uniform, well machined and finished to meet the rigid standards.

The pole pieces are made from dead annealed soft iron blocks of the best quality available. They are well shaped, machined and finished. The air-gap is continuously variable with two way knobbed wheel screw adjusting system. EMU-50V is supplied with flat pole pieces and EMU-50T is supplied with tapered pole pieces.

The coils are wound on non-magnetic former with uniform layers of S.E. copper wire. The new and modern design of the coils provides good thermal conductivity characteristics and eliminates troublesome hot spots even at high magnetic fields.

Specifications

Field Intensity	:	7.5KG at 10mm air-gap with flat pole pieces (In EMU-50V) 9.0KG at 10mm air-gap with tapered pole pieces (In EMU-50T)
Pole Pieces	:	50mm diameter
Energising Coils	:	Two, each with a resistance of about 3.0Ω
Power Requirement	:	0-30Vdc, 4A, if coils are connected in series
Weight	:	33Kg

Constant Current Power Supply, DPS-50 shown in above picture need to be purchased separately and it is not included in the cost of Electromagnet.

