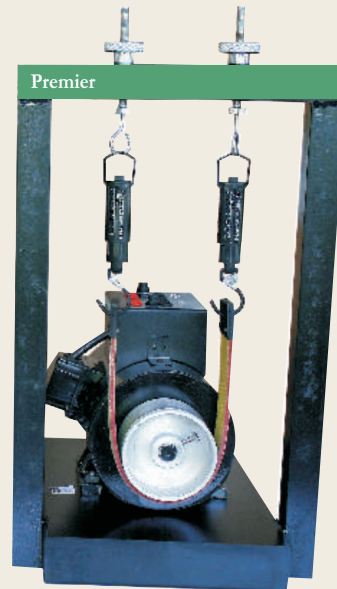
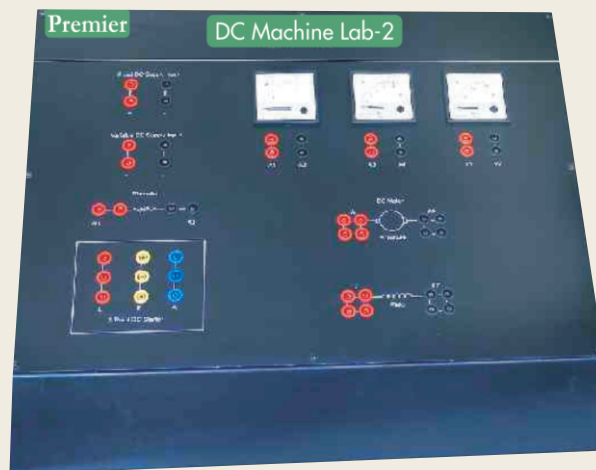


DC Machine Lab-2

Premier DC Machine Lab-II is an important system for the Electrical laboratories. It is NV7008 DC Machine Lab-II that provides comprehensive learning of functioning of a DC Motor. It can aptly be employed for performing various exercises like Motor Starting, Speed Control, N-I Characteristics etc. Thus the trainer makes the subject understanding complete.



Technical Specifications

DC Power Supply

| | |
|----------|-------------|
| Fixed | : 200 V |
| Variable | : 0 - 200 V |

DC Machines

| | |
|------------|--|
| Type | : DC Shunt |
| Rating | : ½ HP (Also available with 1, 2 & 3 HP) |
| RPM | : 1500 (No Load) |
| Insulation | : Class B |

Meters used

| | |
|----------------|---------|
| Voltmeter (MC) | : 300 V |
| Ammeter (MC) | : 1 A |
| Ammeter (MC) | : 5 A |

Tachometer : 20,000 RPM

Dimensions (mm): W 600 X D 350 X H 450 (Panel)
W 250 X D 400 X H 600 (Motor)

Features

- ▶ DC Shunt Motor
- ▶ Mechanical Loading Arrangement
- ▶ Exclusive and rugged designed panel
- ▶ Stand alone operation
- ▶ Provided with digital Tachometer
- ▶ Designed by considering all the safety precautions
- ▶ High quality meters
- ▶ Diagrammatic representation for the ease of connections

Scope of Learning

- Speed Control of DC Shunt Motor by Field Current and Armature Voltage Control
- Load Characteristics of DC Shunt Motor
- N-I Characteristics of DC Shunt Motor
- N-V Characteristics of DC Shunt Motor
- Study of self excited DC Shunt Motor