



DC Machine Lab-I is an adaptable training system for the Electrical laboratories. It can be aptly employed for understanding the basic concepts and functioning of DC Motors and Generators. The product provides hands-on experiments like Speed control, Torque- Load Characteristics, N-V Characteristics, N-I Characteristics etc. The trainer thus provides explicit understanding of the subject.

- DC Shunt Machines
- Electrical Loading arrangement upto 1.2KW
- Shaft Coupling arrangement
- Exclusive and rugged designed panel
- Stand alone operation
- Designed by considering all the safety precautions
- High quality meters
- Diagrammatic representation for the ease of connections
- Provided with an extensive e-manual
- 2 Year warranty

#### Technical Specifications

<b>Input (Optional 46501)</b>	:	180 V Fixed DC 0-180 V Variable DC
<b>DC Machines</b>		
Type	:	DC Shunt
Rating	:	½ HP
RPM	:	1400 (No Load)
<b>Meters used</b>		
Voltmeter (MC)	:	300 V (2 Nos.)
Ammeter (MC)	:	2 A (2 Nos.)
Ammeter (MC)	:	5 A (2 Nos.)
<b>Dimensions (mm.)</b>	:	450 W 600 D 600 H (Panel) 250 W 800 D 300 H (MG Set)

#### Scope of Learning

- Study of No Load Characteristics (OCC) of DC Shunt Generator
- Study of Load Characteristics of DC Shunt Generator
- Speed Control of DC Shunt Motor by Field and Armature current variation
- Load Characteristics of DC Shunt Motor
- Study of self excited DC Shunt Motor

Note: Specifications are subject to change.

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