



Nvis 7008 DC Machine Lab-II is an important system for the Electrical laboratories. This product 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 product makes the subject completely understandable.

Features

- Machine with Mechanical Loading Arrangement
- Provided with Digital Tachometer
- Control board consist of high grade FRP material to provide utmost safety to the users
- Machine with Class "B" Insulation
- Heavy Duty Base/Channel
- Brake-Drum/Pulley with heat suppression facility
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Exclusive and Compact Design
- Product Tutorial (CD)

Scope of Learning

- Speed Control of DC Shunt Motor by Field Current control and Armature Voltage Control method
- 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

Technical Specifications

DC Machine

Type	: Shunt
Rating	: ½ HP (Also available with 1HP, 2HP and 3HP)
Voltage Rating	: 220V ± 10% (please refer specification on the motor)
Speed	: 1500 rpm ± 7.5%
Insulation	: Class 'B'

Loading arrangement : Mechanical

Brake Drum/Pulley : Aluminum casted

Digital Meters used

DC Voltmeter	: 300V
DC Ammeter	: 5A (2 nos)

Digital Tachometer : 20,000 rpm

Optional

- DC Power Supply Nvis 725/Nvis 725A (for machines rated upto 2HP/3HP respectively)
- Rheostat, 2.8A, 220Ω
- 3 Point Starter