



* Image is for illustrative purpose and subject to change

Nvis 7020 PMDC Machine Lab is an important and exclusively designed product for electrical and electric vehicle laboratories. PMDC Machine is an important part of Electrical Engineering Syllabus considering upgraded technologies. This product plays a vital role in letting the students have a basic knowledge about the operating principle of PMDC machine. It provides complete learning contents to enhance practical knowledge and explains students the fundamental concepts of PMDC Machine.

Nvis 7020 includes experiments such as understanding control circuits, operating & load characteristics of PMDC Machine. All connections and appearance of panel are designed in a manner that students can make connections by themselves. All protection circuits are in built so there is almost no chance of fault or danger to user .

Features

- Machine with mechanical loading arrangement.
- Provided with Digital Tachometer.
- Control board high grade FRP material to provide utmost safety to the users.
- Machine with Class “B” insulation.
- Heavy duty base.
- Brake drum/pulley with heat suppression facility.
- Designed by considering all the safety standards.
- Diagrammatic representation for the ease of connections.



Scope of Learning

- Study of control circuit by analyzing its output signal.
- Operating characteristic of PMDC Motor.
- Load characteristic of PMDC Motor.
- Speed control of PMDC Motor using DC Drive.

Technical Specifications

DC Machine

Type	:	PMDC
Rating	:	1HP
Voltage rating	:	180V \pm 10%
Speed	:	1500 RPM \pm 10%
Insulation	:	Class 'B'
Loading Arrangement	:	Mechanical
Brake Drum/Pulley	:	Aluminum cast

Digital Meters used

DC Voltmeter	:	300V
DC Ammeter	:	10A
Digital Tachometer	:	19999 RPM

Optional Accessories

DC Power Supply (Nvis 725A)