



Nvis 7034 Swinburn's Test of DC Machine is an important training system for Electrical Laboratories. It can be aptly employed for understanding the fundamental concepts and functioning of DC Motor. Swinburn's Test is the method through which losses are measured separately and efficiency at any desired load can be predetermined.

Separate terminals of armature and field windings brought out on a terminal box fitted on top of the Motor. The training system includes terminals for Rheostat and Starter so that devices can be connected externally to the panel. The product thus provides explicit understanding of the subject.

Features

- Machine with Mechanical Loading Arrangement
- Provided with Digital Tachometer
- Machine with Class "B" Insulation
- Control board consist of high grade FRP material to provide utmost safety to the users
- Heavy Duty Base/Channel
- Brake-Drum/Pulley with heat suppression facility
- Equipped with supply indication lamps
- Designed by considering all the safety standards
- Diagrammatic representation for the ease of connections
- Online product tutorial

Scope of Learning

- Study and Determine the losses of DC Machine and correspondingly calculate the efficiency of DC Machine by Swinburn's Test Method

Technical Specifications

DC Machine Specification

| | |
|------------------|-----------------------------------------|
| Type | : DC Shunt |
| Power Rating | : 1HP (Also available with 2HP and 3HP) |
| Voltage Rating | : 220V, $\pm 10\%$ |
| Speed | : 1500 rpm $\pm 5\%$ |
| Insulation Class | : "B" |

Loading Arrangement: Mechanical

Brakedrum/Pulley : Aluminum Casted

Digital Meters

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)