



46602 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
- 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
- Exclusive and Compact Design
- Learning material CD
- 2 Year Warranty

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 Power Supply

Input Mains	: 230V AC \pm 10%, 50Hz
Fixed	: 200V
Variable	: 0-200V

DC Machine Specification

Type	: DC Shunt
Rating	: 1HP (also available with 2HP, 3HP & 5HP)
Voltage Rating	: 200V
RPM	: 1500 (no load)
Insulation	: Class 'B'
Loading Arrangement	: Mechanical
Brakedrum/Pulley	: Aluminum Casted
Meters used	
Voltmeter	: 300V
Ammeter	: 5A (2 nos.)
Dimensions (mm)	: W 600 x D 350 x H 450 (Control Panel) W 335 x D 450 x H 560 (Motor)
Weight	: 11kg (approx.) (Control Panel) : 40kg (approx.) (Motor)

Optional

DC Power Supply
(for machines rated upto 2HP/3HP/5HP respectively)

Note: Specifications are subject to change.

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