46602 Swinburnes 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. Swinburnes 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

01. Machine with Mechanical Loading Arrangement
02. Provided with Digital Tachometer
03. Machine with Class "B" Insulation
04. Heavy Duty Base/Channel
05. Brake-Drum/Pulley with heat suppression facility
06. Equipped with supply indication lamps
07. Designed by considering all the safety standards
08. Diagrammatic representation for the ease of connections
09. Exclusive and Compact Design

Objects

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

Technical Specifications

01 AC / DC Operating Voltage Required.
- Input Mains : 230V AC ±10%, 50Hz
- Fixed DC : 180/200V
- Variable DC : 0-200V

02 DC MACHINE SPECIFICATION
- Type : DC Shunt
- Rating : 0.5HP
- Voltage Rating : 180/220V
- RPM : 1500 (no load)
- Insulation : Class 'B'

03 Loading Arrangement: Mechanical
04 Brake drum/Pulley: Aluminum Casted
05 Digital Meters 3½ Digit used
Digital DC Voltmeter : 300V
Digital DC Ammeter : 5A (2 nos.)
06 Dimensions panel: L600 x H 450 x D 350 mm
07 Dimensions motor: L 335 x H 560 xD 450 mm
08 Weight panel : 12kg(approximate)
09 Weight motor : 22kg (approximate)

List of Accessories:

01 Shrouded Patch cord 4mm length 50/100Cm Red----------07
02 Shrouded Patch cord 4mm length 50/100Cm Black----------07
03 Digital Tachometer----------01

Other Apparatus Required

01 DC Power Supply - Order Code - 46501.
02 Rheostat 110 Ohm, 2.3Amp.

Note: Specifications are subject to change.

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