



OMEGA TYPE 20110 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 \pm 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 x D 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 OMEGA TYPE 20 201.
- 02 Rheostat 110 Ohm, 2.3Amp.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.