



OMEGA TYPE 20 103 DC Machine Lab is a versatile Training system very useful for Labs. It helps to study comprehensively the functioning of DC Motor, Students can perform various experiments including Motor Starting Speed Control, N-I Characteristics etc.

OBJECT

- 01 Speed Control of DC Shunt Motor by Field and Armature current variation.
- 02 Load Characteristics of DC Shunt Motor.
- 03 N-I Characteristics of DC Shunt Motor.
- 04 N-V Characteristics of DC Shunt Motor.
- 05 Study of self excited DC Shunt Motor

FEATURES

- 01 DC Shunt Motor
- 02 Mechanical Loading arrangement
- 03 Exclusive and rugged designed panel
- 04 Stand alone operation
- 05 Designed by considering all the safety precautions
- 06 High quality meters
- 07 Diagrammatic representation for the ease of connections
- 08 Provided with an extensive manual

TECHNICAL SPECIFICATION

The board consist of:

- 01 AC/ DC Operating Voltage Required:
Input mains : 230V AC \pm 10% 50Hz
Fixed DC Output: 200V
Variable DC output : 0-200V
- 02 DC Machine
Type : DC Shunt
Rating : 360W
RPM : 1500 (No Load)
- 03 Digital Meters 3½ Digit used
DC Voltmeter : 300V
DC Ammeter : 2A
DC Ammeter : 5A
- 04 Dimensions panel : L600 x H450 x D350mm
- 05 Dimensions motor : L600 X H400 X D250mm
- 06 Weight Panel : 12Kg.(Approximate)
- 07 Weight Motor : 22Kg. (Approximate)

LIST OF ACCESSORIES:

- 01 Shrouded Patch cord 4 mm length 50/100 cm.24
- 02 Digital Tachometer01

OTHER APPARATUS REQUIRED:

- 01 DC Power Supply: Input 230V, output fixed 200V and variable 0-200V.
OMEGA TYPE 20 201.
- 02 Rheostat : 1325 Ohms, current 0.5Amp.

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

OMEGA ELECTRONICS