



OMEGA TYPE 20 104 DC Compound Motor Lab is an exclusive training system designed for Electrical laboratories to demonstrate the operation of DC compound motor. Students can understand the fundamental operating principle of DC Compound Motor. This product includes various experiments such as No Load Test, Load Test and Operating Characteristics of DC Compound Motor. The training system includes terminals for 4 point starters and rheostat so that these can be connected externally to the control panel.

OBJECT

- 01 Study & verify the Load Characteristics of Short Shunt DC Compound Motor
- 02 Study & verify the Load Characteristics of Long Shunt DC Compound Motor

FEATURES

- 01 Machine with mechanical loading arrangement
- 02 Provided with Digital Tachometer
- 03 Machine with Class "B" Insulation
- 04 Heavy Duty Base/Channel
- 05 Terminals provided to use the optional externally
- 06 Brake-Drum/Pulley with heat suppression facility
- 07 Designed by considering all the safety standards
- 08 Diagrammatic representation for the ease of connections

TECHNICAL SPECIFICATION

The board consist of:

- 01 AC/DC operating voltage required:
 - Input Mains : 230V AC
 - Fixed DC output : 200V
 - Variable DC Output : 0 - 200V
- 02 DC Machines flexibly coupled and mounted on "C" channel base:
 - Type : Compound
 - Rating : 1HP
 - Voltage Rating : 200V
 - Speed : 1500 RPM (No Load)
 - Insulation : Class 'B'
 - Loading Arrangement : Mechanical
 - 03 Brake Drum/Pulley : Aluminum Casted
 - 04 Digital Meter 3½ Digit used
 - DC Voltmeter : 300V (2 Nos.)
 - DC Ammeter : 5A (2 Nos.)
 - DC Ammeter : 2A (1 Nos.)
 - 05 Dimensions panel : L600xH450xD350mm
 - 07 Dimension motor : L600xH450xD335mm
 - 08 Panel Weight : 12kg (approx)
 - 09 Motor weight : 40Kg (approx)

LIST OF ACCESSORIES:

- 01 Shrouded 4mm connecting leads 50/100cm.42
- 02 Digital Tachometer.....01

OTHER APPARATUS REQUIRED:

- 01 DC Power Supply input 230V, output fixed 200V Variable DC 0 - 200V OMEGA TYPE 20 201.
- 02 Rheostat 110 Ohms 2.3Amp. 2 Nos.
- 03 4 Point Starter

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

OMEGA ELECTRONICS