



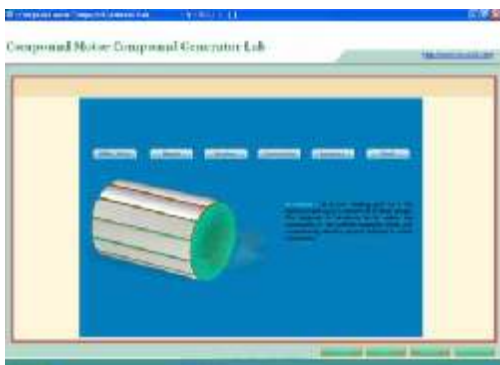
46600 Compound Motor Compound Generator Lab is a useful training system for Electrical laboratories that provides comprehensive learning of DC Compound Generator. It can be employed for performing various experiments like Generator Working, Operating Characteristics, Terminal Voltage and Load Current (V-I) Characteristics, etc. Students can make connections easily.

Features

- Electrical loading arrangement
- Flexible shaft coupling arrangement
- Provided with Digital Tachometer
- Machine with Class "B" Insulation
- Heavy Duty Base/Channel
- Terminals provided to use the optional externally
- 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 verify the Load Characteristics of Long Shunt Cumulatively Compound Generator
- Study and verify the Load Characteristics of Short Shunt Cumulatively Compound Generator
- Study and verify the Load Characteristics of Long Shunt Differentially Compound Generator
- Study and verify the Load Characteristics of Short Shunt Differentially Compound Generator



Software window shows working of internal parts of DC Machine

Technical Specifications

DC Power Supply

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

Machines Specification

Both the Machines are flexibly coupled and Mounted on a 'C' channel Base

DC Machine (acts as prime mover)

Type : Compound
Rating : 1HP
Voltage Rating : 200V
Speed : 1500 RPM
Insulation : Class 'B'

DC Machine (acts as generator)

Type : Compound
Rating : 1HP (Also available with 2HP & 3HP)
Speed : 1500 RPM
Insulation : Class 'B'

Analog Meters used

DC Voltmeter (MC) : 300V (3 Nos.)
DC Ammeter (MC) : 5A (3 Nos.)

Dimensions (mm) : W 600 x D 450 x H 600 (Control Panel)

W 180 x D 450 x H 600 (MG set)

Weight : 17kg (approximate) (Control Panel)

53kg (approximate) (MG set)

Optional

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

Resistive Load

(for machines rated upto 1HP/ 3HP respectively)

Rheostat 5A, 110

4 Point Starter

Note: Specifications are subject to change.

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