



46595 Shunt Motor Series Generator Lab is an elite training system for the Electrical laboratories. This product help students to understand basic operations of DC Series Generator. It can aptly be used for performing various experiments like Working of Generator, Analysis of Magnetic Characteristic and also efficiency at any desired load. Separate terminals of armature and field windings are provided on top of the machine. Starter and rheostat terminals are provided on the panel so that these can be connected externally to the circuit. The product thus provides complete understanding of experiments with Shunt Motor and Series Generator.

Features

- Specially designed BS-10 safety terminals
- Electrical loading arrangement
- Designed by considering all safety precautions
- Diagrammatic representation
- Learning material CD
- 2 Year Warranty

Scope of Learning

- Study and verify the No-Load Characteristic of DC Series Generator
- Study and verify the Load Characteristic of DC Series Generator

Optional

DC Power Supply

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

Resistive Load

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

3 Point Starter

Rheostat 5A,110

Technical Specifications

DC Power Supply

Input Mains : 230V AC $\pm 10\%$, 50Hz

Fixed DC output : 200V

Variable DC output : 0-200V

Machine Specifications

Both the Machines are flexibly coupled and mounted on a "C" Channel base

DC Motor (acts as prime mover)

Type : Shunt

Rating : 1HP

Voltage Rating : 200V

Speed : 1500 RPM (no load)

Insulation : Class 'B'

DC Generator

Type : Series

Rating : 1HP (Also available with 2HP & 3HP)

Speed : 1500 RPM (no load)

Insulation : Class B

Meters used

DC Voltmeter (MC) : 300V (2 Nos.)

DC Ammeter (MC) : 5A (2 Nos.), 1A

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

W 180 x D 900 x H 310 (MG set)

Weight : 17kg (approx.) (Control Panel)

53kg (approx.) (MG Set)

Note: Specifications are subject to change.

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