



DC Machine Lab-I is an adaptable training system for the Electrical laboratories. It can be aptly employed for understanding the basic concepts and functioning of DC Motors and Generators. The product provides hands-on experiments like Speed control, Torque- Load Characteristics, N-V Characteristics, N-I Characteristics etc. The trainer thus provides explicit understanding of the subject.

- DC Shunt Machines
- Electrical Loading arrangement upto 1.2KW
- Shaft Coupling arrangement
- Exclusive and rugged designed panel
- Stand alone operation
- Designed by considering all the safety precautions
- High quality meters
- Diagrammatic representation for the ease of connections
- Provided with an extensive e-manual
- 2 Year warranty

Technical Specifications

Input : 180 V Fixed DC
0-180 V Variable DC

DC Machines

Type : DC Shunt
Rating : ½ HP
RPM : 1400 (No Load)

Meters used

Voltmeter (MC) : 300 V (2 Nos.)
Ammeter (MC) : 2 A (2 Nos.)
Ammeter (MC) : 5 A (2 Nos.)

Dimensions (mm.) : 450 W 600 D 600 H (Panel)
250 W 800 D 300 H (MG Set)

Scope of Learning

- Study of No Load Characteristics (OCC) of DC Shunt Generator
- Study of Load Characteristics of DC Shunt Generator
- Speed Control of DC Shunt Motor by Field and Armature current variation
- Load Characteristics of DC Shunt Motor
- Study of self excited DC Shunt Motor

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in