



**DC Machine Lab-II** is an important system for the Electrical laboratories. It is DC Machine Lab-II that provides comprehensive learning of functioning of a DC Motor. It can aptly be employed for performing various exercises like Motor Starting, Speed Control, N-I Characteristics etc. Thus the trainer makes the subject understanding complete.

#### Features

- DC Shunt Motor
- Mechanical Loading 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 Years warranty

#### Technical Specifications

**Input (Optional 46501)** : 180 V Fixed DC  
0-180 V Variable DC

#### DC Machine

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

#### Meters used

Voltmeter (MC) : 300 V  
Ammeter (MC) : 1 A  
Ammeter (MC) : 5 A

**Dimensions (mm.)** : 350 W × 600 D × 450 H (Panel)  
: 250 W × 400 D × 600 H (Motor)

#### Scope of Learning

- Speed Control of DC Shunt Motor by Field and Armature current variation.
- Load Characteristics of DC Shunt Motor.
- N-I Characteristics of DC Shunt Motor.
- N-V 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