



Mine MI-ET15 DC Shunt Motor Trainer is an important system for the Electrical laboratories. This product 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 product makes the subject completely understandable.

Features

- ❖ Built in Fixed & Variable Power Supply.
- ❖ Machine with Mechanical Loading Arrangement.
- ❖ Provided with Digital Tachometer.
- ❖ Machine with Class “B” Insulation.
- ❖ Brake-Drum/Pulley with heat suppression facility.
- ❖ Designed by considering all the safety standards.
- ❖ Diagrammatic representation for the ease of connections.

Learning's

- ❖ Speed Control of DC Shunt Motor by Field Current control & Armature Voltage Control method.
- ❖ Load Characteristics of DC Shunt Motor.
- ❖ N-I Characteristics of DC Shunt Motor.
- ❖ N-V Characteristics of DC Shunt Motor.
- ❖ Study of self excited and Separately excited DC Shunt Motor.

Technical Specifications

DC Supply

Fixed	:	200VDC $\pm$ 10%
Variable	:	0-220VDC $\pm$ 10%

DC Machine

Type	:	Shunt
Rating	:	1 HP
Voltage Rating	:	220V $\pm$ 10%
Speed	:	1500 rpm $\pm$ 7.5%
Insulation	:	Class 'B'
Loading arrangement	:	Mechanical

Digital Meters

DC Voltmeter	:	300V
DC Ammeter	:	5A (2 nos)
Digital Tachometer	:	19,999 rpm

MCB	:	6A (2nos)
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Optional

Three Point Starter	:	1 no.
Rheostat	:	250 Ohm/3A

Package Contents



Operating Manual



Mains Cord



Patch Cord

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