



Mine MI-ET17 DC Shunt Generator Trainer is a definitive system for the Electrical Machines Laboratories that provides Characteristics of DC Shunt Generator under no load & different loading conditions.

MI-ET17 provides complete learning contents to demonstrate various experiments like working operation of DC Shunt Generator, analyzing Speed-Current, Current- Voltage & Voltage-Speed characteristics etc. There is a digital panel meters to obtain precise results. Diagrammatic representations are provided on the control setup so that users can make connections by their own.

Also includes terminals for three point starter & rheostats so to make these connections externally to the control setup. All the protective schemes are being implemented to avoid fault or danger & hence product will assist user to enhance their practical knowledge with safety.

Features

- ❖ Electrical Loading Arrangement.
- ❖ Flexible Shaft Coupling Arrangement.
- ❖ Provided with Digital Tachometer.
- ❖ Machine with Class 'B' Insulation.
- ❖ Good quality digital panel meters.
- ❖ Designed by considering all the safety measures.
- ❖ Diagrammatic representation for the ease of connections.

Learning's

- ❖ Study and verify No Load Characteristics of DC Shunt Generator.
- ❖ Study of verify Load Characteristics of DC Shunt Generator.
- ❖ Study and verify Speed control of DC Shunt Motor by Armature Control method Generator.
- ❖ Study and verify Speed control of DC Shunt Motor by Field control Method .
- ❖ Study of Self and separately excited DC Shunt Motor

Technical Specifications

Operating Voltage

Fixed DC	:	200V
Variable DC	:	0-220V

Machine Specifications

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

DC Motor

Type	:	Shunt
Power Rating	:	1HP
Voltage Rating	:	200V, $\pm 10\%$
Speed	:	1500 rpm
Insulation Class	:	"B"

DC Machines

Type	:	Shunt
Power Rating	:	1HP
Speed	:	1500 rpm
Insulation Class	:	"B"

Digital Meters

DC Voltmeter	:	300V (2 Nos.)
DC Ammeter	:	5A (4 Nos.)
Digital Techometer	:	19,999 RPM

MCB	:	6A (2nos)
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Optional:-Three Point Starter, Rheostat 250 Ohm/3A & DC Load 5A

Package Contents



Operating Manual



Mains Cord



Patch Cord

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