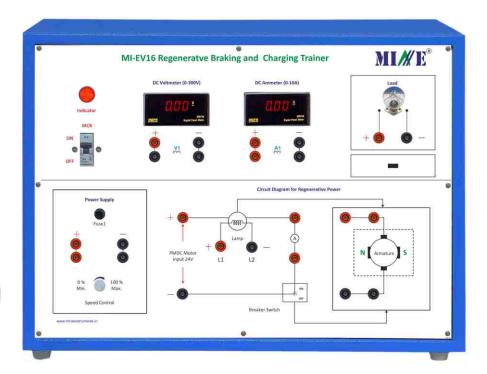


Regenerative Charging and Braking Trainer MI-EV16





Energy saving and extended mileage are very important for battery-operated electric vehicles (BEV). Regenerative braking performances are the key for saving energy in BEV's. Trainer introduces Permanent Magnet DC (PMDC) motor based regenerative braking to improve energy efficiency in BEV. The kinetic energy of the motor is returned to the battery system in regenerative charging.

MI-EV16 Trainer is an ideal platform to enhance vocational training, skills & development. This product clarifies the fundamentals of functioning of regenerative braking and also explains the regenerative charging technique used in Electric Vehicles.

Features

- Provided with digital tachometer for speed measurement.
- Provided with high quality meters.
- Provided with DC power supply.
- Diagrammatic representation for the ease of connections.
- Designed considering all safety standards.

Experiments

- Study of Regenerative braking of PMDC motor.
- Study of charging of battery by regenerative braking.
- Study of perform no load test of PMDC motor.





Technical Specifications

Machine Type **PMDC**

Voltage Rating 100W watt approx.

Voltage 24V

5 A (approx.) Current

2800 RPM ±10% Speed

Power Supply 24V, 10A

Line Input Voltage Single Phase, 230V±10%, 50Hz.

Digital Meters

DC Voltmeter 300V **DC** Ammeter 10A

Digital Tachometer 19,999 RPM

Accessories

- Operating Manual-1 nos
- Patch Cord-10 nos
- Power Cord-1 nos







Power Cable



Patch Cord

Mine Instruments Pvt. Ltd. An ISO 9001:2015 Certified Company

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