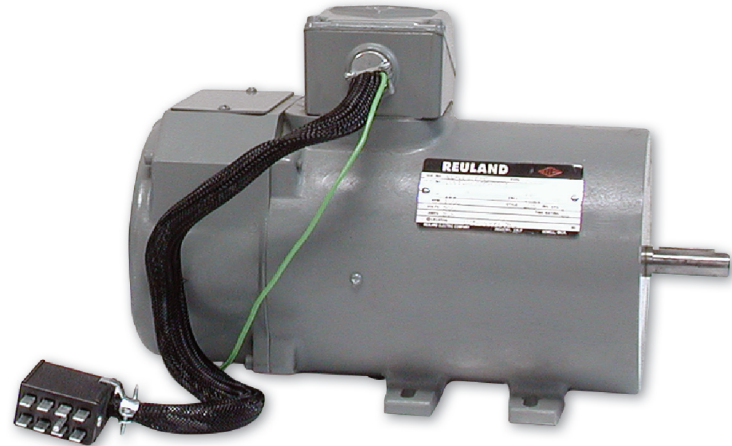
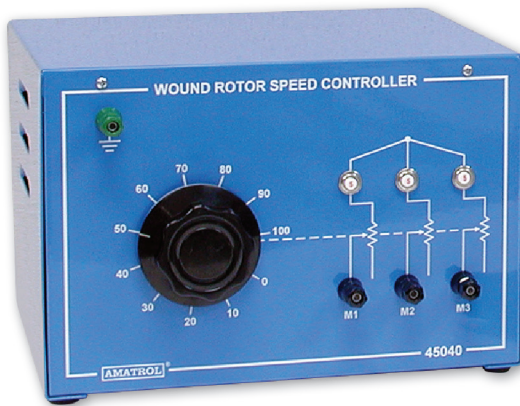
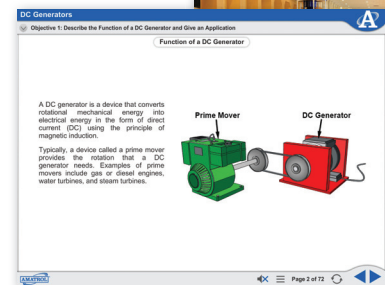
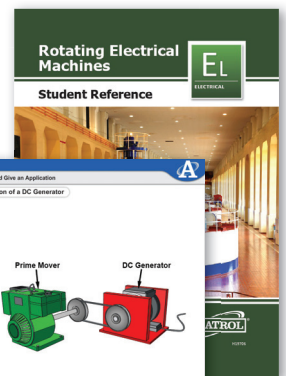


Wound Rotor Motor Learning System

85-MT2D



85-MT2D



Interactive Multimedia Curriculum and Student Reference Guide

Learning Topics:

- Wound-Rotor Motor Function
- Wound-Rotor Motor Operation
- Wound-Rotor Motor Connection
- Speed Control
- Performance Characteristics
- Torque Characteristics
- Wound-Rotor Motor Reversal

Amatrol's Wound Rotor Motor Learning System (85-MT2D) covers the function, operation, and performance characteristics of wound rotor motors. While VFDs and standard induction motors have replaced wound rotor motors in many applications, these motors are still used for heavy-duty, high torque applications such as industrial cranes and hoists. The 85-MT2D requires the Basic Electric Machines Learning System (85-MT2) and the DC Generators Learning System (85-MT2B) for use.

The 85-MT2D includes a wound rotor speed controller, a wound rotor motor, banana leads, in-depth curriculum, an installation guide, and a student reference guide. These components will be used to study topics such as wound rotor speed control, performance characteristics, and motor reversing. Amatrol learning systems feature real-world, industrial-grade components for both durability and to facilitate learners in gaining hands-on practice with actual equipment that they'll find in the field.



Technical Data

Complete technical specifications available upon request.

Wound Rotor Speed Controller

- 3-Phase, 10-ohm, 300-watt Rheostat
- 5-amp Circuit Breakers (3)

Wound Rotor Motor

1/3 Hp

Banana Lead Set (45065)

Interactive Multimedia Curriculum (MB877)

Instructor's Guide (CB877)

Install Guide (DB877)

Student Reference Guide (H19706)

Additional Requirements:

- Basic Electric Machines Learning System (85-MT2)
- DC Generators Learning System (85-MT2B)
- Computer Requirements: <http://www.amatrol.com/support/computer-requirements/>

Utilities:

- Electricity (208 VAC/60 Hz/3 phase) from the 85-MT2

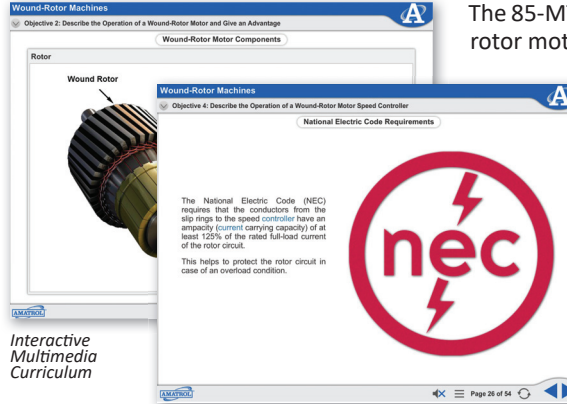
Connect and Operator an Industrial-Grade Wound Rotor Motor

The 85-MT2D includes a wound rotor speed controller with a three-phase rheostat and three 5-amp circuit breakers, a 1/3 Hp wound rotor motor, and a banana lead set. These industrial components will be used in conjunction with the 85-MT2 and 85-MT2B to build hands-on skills such as connecting and operating a wound rotor motor and motor speed controller, measuring motor performance characteristics, and reversing the rotation of a wound rotor motor.



Wound Rotor Motor

Motor Speed and Torque Characteristics Presented within Stunning Interactive Multimedia Curriculum



Interactive Multimedia Curriculum

The 85-MT2D's curriculum dives into major wound rotor motor topics like the function and operation of wound rotor motors, the function of a speed controller, the speed and torque characteristics of a motor, and learning how to reverse a motor. This interactive multimedia curriculum provides all of the theoretical knowledge, stunning 3D graphics, audio voiceovers, and interactive quizzes and activities.

Electrical Machine Training Can Expand to Meet Your Ever-Changing Needs

In addition to the 85-MT5D and required 85-MT2B, the Basic Electrical Machines Learning System (85-MT2) features another option to further expand electrical machine skill-building: the Alternators / Synchronous Motors Learning System (85-MT2C). The 85-MT2C includes capacitive load, combination synchronous motor/alternator, and synchronizing lights / switch unit to teach alternators and synchronous motors commonly found in industrial applications.



85-MT2C Learning System



Student Reference Guide

A sample copy of the Rotating Electrical Machines Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training making it the perfect course takeaway.

