

Drives

AutoMax Maintenance and Troubleshooting



Course Number

RE0520

Course Purpose

This course is designed to provide you with a general understanding the AutoMax hardware and to acquire the necessary skills to interrogate the AutoMax processors for information needed to troubleshoot the system. You will also be provided an opportunity to monitor and load an AutoMax processor and to locate the necessary points for voltage measurements.

After completing this course, you should be able to:

- Identify specific hardware in the AutoMax rack
- Understand the functions of AutoMax hardware
- Distinguish the difference in AutoMax languages
- Identify the variable types and scope found in AutoMax
- Differentiate the types of tasks in AutoMax
- Utilize the off-line and on-line user screens with a computer
- Monitor, edit, upload and download AutoMax programs
- Employ local, remote I/O and network communications
- Perform basic troubleshooting techniques

COURSE AGENDA

- AutoMax Concepts
- Hardware Discussion
- AutoMax Executive
- Configuration
- PC Task
- Basic Language
- Control Block Language

WHO SHOULD ATTEND

Electricians, electronic technicians and electrical engineers who are responsible for the installation, maintenance and repair of AutoMax systems should attend this course.

PREREQUISITES

To successfully complete this course, the following prerequisites are required:

- Working knowledge of electricity, and knowledge of electrical and industrial safety (including PPE requirements and safe practices)
- Ability to perform basic Microsoft® Windows® tasks
- Knowledge of basic DC motor and drive fundamentals through the completion of the AC/DC Motors and Drives Fundamentals course (Course No. CCA101), or personal experience.

You should also be familiar with or have recent professional exposure to test equipment and drive systems.

STUDENT MATERIALS

To enhance and facilitate your learning experience, the following materials are provided as part of the course package:

- Student Manual, which contains the topical outlines, step-by-step procedures and exercises. You will use this manual to follow presentations, take notes, and work through the exercises.
- AutoMax Pocket Reference, which provides a listing of status and error codes, hardware module reference information, and programming reference information that will assist you in troubleshooting and programming an AutoMax control system

HANDS-ON PRACTICE

Hands-on practice is a necessary part of learning and this course offers hands-on opportunities to demonstrate the procedures for monitoring and loading the AutoMax processors and locating the necessary points for voltage measurements.

COURSE LENGTH





This is a four-day course.

TO REGISTER

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley® Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

To be respectful of the environment, Rockwell Automation is transitioning some of its training courses to a paperless format. Students are asked to complete downloads and bring personal devices to these classes. A full list of digital/paperless courses is currently available through your local distributor.

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