

Kinetix 6000 Troubleshooting and Project Interpretation

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: CCN200

COURSE MODULES & TOPICS

Objectives

- Locate Kinetix 6000 system components
- Check Kinetix 6000 connections
- Interpret Kinetix 6000 indicators
- Analyze fault codes in a Kinetix 6000 system
- Interpret motion state and move instructions in a Logix Designer project
- Test and tune axes in a Logix Designer project
- Replace a Kinetix 6000 drive

Prerequisites

- Completion of the Motion Control Fundamentals course (CCN130) or equivalent knowledge of or experience with drives, feedback devices, and velocity and position loop systems
- Completion of the Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (CCP146) or equivalent knowledge of or experience with the ControlLogix® platform and basic ladder logic

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Book provides learning activities and hands-on practice. Solutions are included after each exercise for immediate feedback
- Kinetix 6000 Multi-Axis Servo Drives User Manual provides detailed instructions for mounting, wiring, and troubleshooting your Kinetix 6000 drives
- Studio 5000 Logix Designer and Logix5000 Motion Control Procedures Guide provides the procedures for performing motion control tasks in a Logix5000™ system using Logix Designer and RSLinx® Classic software

Next Level Learning

- Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting course (CCP153)

Course Agenda

Day 1

- Locating Kinetix 6000 Components
- Checking Kinetix 6000 Connections
- Interpreting Kinetix 6000 Indicators
- Analyzing Fault Codes in a Kinetix 6000 System
- Interpreting Motion State Instructions in a Studio 5000 Logix Designer Project

Day 2

- Interpreting Motion Move Instructions in a Studio 5000 Logix Designer Project
- Integrated Practice: Troubleshooting a Kinetix 6000 System
- Testing SERCOS Hardware
- Tuning SERCOS Axes
- Replacing a Kinetix 6000 Drive

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