

COURSE DESCRIPTION

G710

ACS800 Drive Motion Control



Course Type and Description

This is a classroom course with hands-on lab activities supported by an instructor.

The course contains theory part and hands on exercises with ACS800 Motion Control units.

This course belongs to ACS800 single drive and ACS800 multidrive with Control Section learning paths that may utilize blended learning. Please see the accompanying figure of the learning paths.



Course Objective

Upon completion of this course, students will be able to:

- Commission and tune ACS800 Motion Control drives
- Activate and tune the features of ACS800 Motion Control drives



Main Topics

- Hardware
- Options
- Software overview
- Positioning
- Teach in
- Synchronising
- Electronic gear
- Cyclic corrections
- Cam Disk
- Homing
- Tuning of the Motion Control converter
- Installation principles
- DriveWindow commissioning and maintenance tool measurements for Motion Control drive



Course Duration

The course duration is 2 days.



Student Profile

This course is intended for electricians, technicians, and engineers who design, install, operate and service ACS800 Motion Control drives.



Course Goal

The goal of this course is to teach students to install, start-up, adjust, and operate ACS800 Motion Control drives.



Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- Course G650e or G651e and G063e

Day 1

08:30 Introduction of the Course
08:45 Motion Control Introduction
10:00 Break
10:15 HW
10:40 Options
12:00 Lunch
13:00 SW Overview, Positioning
14:00 Break
14:15 Synchronising, Homing, Installation
16:00 End of the Day

Day 2

08:30 Positioning Exercise
10:00 Break
10:15 Homing & Teach in Exercise
12:00 Lunch
12:45 Synchronisation Exercise
14:00 Break
14:15 Cyclic Correction & Electric Gear and Cam Disk Exercises
16:00 End of the Course

Street address

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Low voltage drives training

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