

COURSE DESCRIPTION

G190

ACSM1 Machinery Drive, Startup and Service Hands-on



Course Type and Description

This is a classroom course with hands-on lab activities supported by an instructor. Before this course the theory based e-learning courses G190e, G107e and G063e need to be studied.

This course contains hands-on ACSM1 exercises. Any of the exercises can be replaced with optional Profibus exercise. Please inform Training Center 1 week before course if you would like to do Profibus exercise.

This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure of possible learning paths.



Main Topics

- Hardware and software overview
- ACSM1 standard application program
- Control panel functions
- Converter commissioning
- Fine tuning of the converter
- Installation principles
- Encoder connections
- Optional equipment connections
- Profibus (optional)
- DriveStudio commissioning and maintenance tool operations



Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- E-learning courses G190e, G107e and G063e

Please refer to the accompanying figure for course names and durations.



Course Duration

The course duration is 1 day.



Student Profile

This course is intended for motion control orientated electricians, technicians, and engineers who install, operate and service ACSM1 single drives.



Course Goal

The goal of this course is to teach students to install, start-up, adjust, operate, ACSM1 single drives.



Course Objective

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

- Commission and tune ACSM1 single drives
- Operate and maintain ACSM1 single drives

Day 1

08:30 Course Information
08:45 ACSM1 Drives
09:00 Exercise 1
10:20 Break
10:35 Exercise 2
12:00 Lunch
12:45 Exercise 3
14:10 Break
14:25 Exercise 4
15:45 Course Evaluation
16:00 End of the Day

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Low voltage drives training
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