

Course description

G350e

ACS350 general machinery drive Fundamentals, Internet course

Course Duration

The course duration is approximately 0.5-1 days depending on personal background knowledge and study pace. This course is a prerequisite for G350 classroom course.

Course type

Internet course

Course Goal

The goal of this course is to teach students the basics of the installation, start-up, adjusting, operation, maintenance and troubleshooting of the ACS350 general machinery drive.

Student Profile

This course is intended for electricians, technicians and engineers, who install, operate and service ACS350 general machinery drives.

Prerequisites

- Basic knowledge of electronics
- Basic knowledge in using a computer and Internet browser. The recommended browser is Microsoft Internet Explorer version 5.0 or later version.
- An Internet connection

Description

This course contains self-study material, self-assessment questions and interactive exercises (e.g. operating the Assistant panel).

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

After this e-learning training, learner can take hands-on classroom course (G350) on the ACS350 drive.

Course Objectives

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

- Describe the functions of the ACS350 drive
- Use the Assistant (ACS-CP-A) and Basic Control (ACS-CP-C) Panels
- Describe the basics of installation, commissioning and service operations for the ACS350
- Describe the basic principles of fault-tracing

Main Topics

- AC Drive basics
- ACS350 Product overview
- Overview of the ACS350 features
- ACS350 application macros
- Assistant and Basic Control Panels functions
- Sequence Programming
- Optional equipment overview
- Installation principles
- Start-up
- Fault tracing principles
- Basic service operations
- FlashDrop and DrivePM parameter handling tools
- DriveWindow Light commissioning and maintenance tool

Low voltage drives training

ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Course description

G350

ACS350 general machinery drive, operation and programming, hands-on training

Course Duration

The course duration is 1 day. Theory part of the course is in e-learning course G350e (prerequisite).

Course type

Classroom course with hands-on lab activities led by an instructor

Course Goal

The main goal of this course is to teach students to install, start-up, adjust, operate and maintain the ACS350 drive. Some topics how to do basic troubleshooting is also covered.

Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS350 drives.

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics / electricity
- Experience in using PCs in the Windows environment
- Completed the Internet course ACS350 Machinery Drive: Fundamentals (G350e)

Description

This contains hands-on exercises with ACS350 units. This course belongs to a learning path that utilizes blended learning.

Course Objectives

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

- Do installation and commission of the ACS350 drive
- Trace and correct basic troubles.
- Operate and maintain the ACS350 drive.
- Create sequence programs using Drive Window Light software

Main Topics

- Assistant Control panel(ACS-CP-A) functions
- Mechanical Installation and the cabling
- Commissioning and maintenance
- Sequence Programming
- DriveWindow Light, commissioning and maintenance tool operations
- Fault tracing and maintenance

Side topics if requested

- FlashDrop, programming and maintenance tool and DrivePM software

Low voltage drives training

ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Course agenda

G350

ACS350 general machinery drive, operation and programming, hands-on training

Day 1

08:30 Course Information

08:35 Exercise 1

09:30 Coffee break

09:45 Exercise 2

10:45 Exercise 3

11:45 Lunch

12:15 Exercise 4

13:15 Exercise 5

14:15 Coffee break

14:30 Finishing up the course + FlashDrop Demo

16:00 End of the day

Low voltage drives training

ABB University Finland, Helsinki Training Center

Helsinki.abbuniversity@fi.abb.com

www.abb.com/abbuniversity

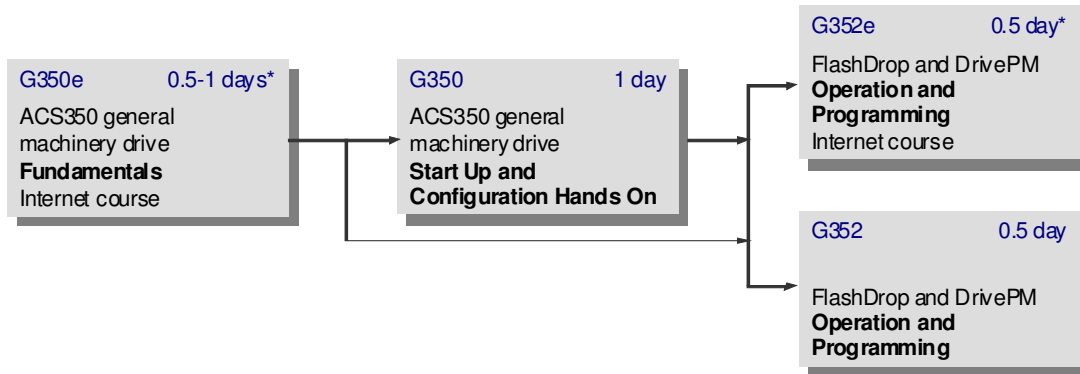
Power and productivity
for a better world™



Learning Path

ACS350 general machinery drive Learning path

Course code	Duration
Course name	



Low voltage drives training

ABB University Finland, Helsinki Training Center

Helsinki.abbuniversity@fi.abb.com

www.abb.com/abbuniversity

Power and productivity
for a better world™

