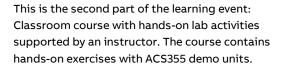# G356
ACS355 Operation and Programming Hands-on

Course Type and Description

The ACS355 standard drive learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: Classroom course with hands-on lab activities supported by an instructor. The course contains hands-on exercises with ACS355 demo units.

The first part of the learning event includes the theory-based e-learning courses mentioned below. Please note that the e-learning course material is not covered during the classroom course. You are required to complete the e-learning part before the classroom part, which is essential in order to be able to succeed in the hands-on lab activities during classroom days. The status of e-learning course completion is monitored.

Course Duration

The course duration is 1 day. Theory part of the course is in e-learning course G356e or G350e + G357e (prerequisite).

Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS355 drives.

Course Goal

The main goal of this course is to teach students to install, start-up, adjust, operate and maintain the ACS355 drive.

Course Objective

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

- Do commissioning of the ACS355 drive.
- Operate and maintain the ACS355 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
- Timers and Counters
- DriveWindow Light, commissioning and maintenance tool operations

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 ACS355 Machinery Drive Fundamentals, G356e or G350e + G357e

Day 1

09:00	Course Information
09:15	Exercises Begin
10:00	Break
10:15	Exercises Continue
12:00	Lunch
12:45	Exercises Continue
14.00	Break
14:15	Exercises Continue
16:00	End of the Day

Exercises during the course are the following :

- Installation, start-up and parameter back-up exercises

- Timer and Counter exercises

- Application macro, Assistant control panel and Timed functions exercises

- DriveWindow Light 2.x and sequence programming exercises

- AC Drive basics and Drive Control exercises