ABB

G390V
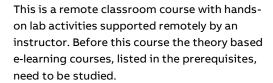# ACS580-01 Basics Hands-on Course

Course Type and Description

The ACS580-01 basics learning event comprises of two parts: e-learning courses and classroom course.

This is a remote classroom course with hands-on lab activities supported remotely by an instructor. Before this course the theory based e-learning courses, listed in the prerequisites, need to be studied.

This course contains remote hands-on ACS580 exercises and remote exercise with video demonstration. This course belongs to a certificates that may utilize blended learning. The status of e-learning courses completion is monitored.

Student equipment

At least one ACS580 democase, PC with drive composer program and USB C-mini cable are mandatory. Two students can work together on the equipment.

Course Duration

The course duration is 1.5 day.

Student Profile

This course is intended for electricians, technicians, designers and engineers, who install, operate, program and do basic maintenance to ACS580-01 drives.

Course Goal

The goal of this course is to introduce students to ACS580-01 Drive.

Course Objective

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

- Install ACS580-01 drive
- Do start-up of ACS580-01 drive using control panel
- Use Drive composer entry PC tool and do start-up of ACS580 using the tool
- Do basic maintenance tasks on ACS580-01
- Use Adaptive programming tool

Main Topics

- Start-up of the drive
- ACS580-01 hardware construction
- Installation principles of ACS580-01
- ACS580-01 control panel operation
- ACS580-01 software features
- Drive composer entry
- Drive Adaptive programming tool
- Basic maintenance tasks of ACS580-01 drives

Prerequisites

- Basic knowledge about electronics
- Basic knowledge about drives
- English language communication and understanding skills
- E-learning courses:
- G020e – LV AC drives general installation practises
- G3900e – General purpose drives, ACS580 series offering
- G3901e – ACS580-01 installation
- G3905e – ACS580-01 technical hardware details
- G3911e – ACS580 standard control program specific features
- G374e – All-compatible panel fundamentals
- G375e – Drive composer entry tool fundamentals
- G381e – All compatible software common features

Day 1

09:00	Course Information
09:15	ACS580-01 Information
09:30	ACS580-01 Installation Check Exercise
10:30	Coffee Break
10:45	Exercises Continue
12:00	Lunch
12:45	Exercises Continue
14:00	Coffee Break
14:15	Exercises Continue
16:00	End of the Day

Day 2

09:00	Component location and Cooling Fan Exchange
10:15	Coffee Break
10:30	Exercises Continue
12:00	End of the Course

Exercise 1

Installation Check Exercise

Exercise 2

Control panel and Start up Exercise

Exercise 3

Drive Composer Entry Exercise

Exercise 4

Component Location Exercise

Exercise 5

Cooling Fan Exchange Exercise

Exercise 6

Adaptive Programming Exercise

.