

COURSE DESCRIPTION

# G390R

## ACS580-01 Basics, Remote Hands-on Training



### Course type and description

The ACS580-01 Basics learning event 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 pre-requisites, need to be studied.

This course contains remote hands-on ACS580 exercises and remote video demonstrations. This course belongs to a certificate that may utilize blended learning.



### Course objectives

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

- Do start-up of ACS580-01 drives using the control panel interface
- Use Drive Composer Entry PC-tool and do start-up of ACS580-01
- Do basic maintenance on ACS580-01
- Use Adaptive Programming



### Course duration

The course duration is 1.5 days.



### Student profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS580-01 ABB drives.



### 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 PC-tool
- Basic maintenance of ACS580-01
- Adaptive Programming



### Course goal

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



### Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of power electronics
- Experience in using a Windows PC environment
- Basic knowledge about drives
- E-learning courses: G020e, G3900e, G3901e, G3905e, G3911e, G374e, G375e and G381e.



### Student equipment

At least one ACS580 DEMOCASE, a PC with Drive Composer PC-tool installed and USB-C mini cable are mandatory. Two students can work together on the equipment.

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AGENDA

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## ACS580-01 Basics, Remote Hands-on Training

### Day 1

09.00 Course introduction  
09.15 ACS580-01 information  
09.30 Installation check exercise  
**10.30 Coffee break**  
10.45 Hands-on exercises  
**12.00 Lunch**  
12.45 Hands-on exercises  
**14.00 Coffee break**  
14.15 Hands-on exercises  
16.00 End of day 1

### Day 2

09.00 Component location and fan replacement  
**10.15 Coffee break**  
10.30 Hands-on exercises  
**12.00** End of the course

#### Hands-on exercises list:

- Exercise 1:** Control panel and start-up
- Exercise 2:** Software features
- Exercise 3:** Drive Composer Entry PC-tool
- Exercise 4:** Adaptive Programming
- Exercise 5:** Installation check
- Exercise 6:** Component location and cooling fan replacement

Exercises packages will be sent to the students before the training starts.

We recommend students to print the exercises to ensure a smooth execution of the training.

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#### Mailing address

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#### Low voltage drives, motors and generators

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