

G640

ACQ580-01 basics hands-on course

Course type and description

The ACQ580-01 basics learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: the classroom course including hands-on lab activities with ACQ580-01 demo units supported by an instructor. Theory-based internet courses needs to be studied before attending to this course.

The first part of the learning event includes the theory based e-learning courses mentioned in prerequisites. 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 courses completion is monitored.

Prerequisites

- Basic knowledge of electronics
- Basic knowledge about drives
- English language communication and understanding skills
- E-learning courses G020e, G6400e, G6401e, G6402e, G6403e, G374e, G375e, G381e

Course duration

The course duration is 1 day.

Student profile

This course is intended for electricians, technicians, designers and engineers, who install, operate, program and do basic maintenance to ACQ580-01 drives.

Course goal

The goal of this course is to introduce students to ACQ580-01 Drive.

Course objectives

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

- Install ACQ580-01 drive
- Do start-up of ACQ580-01 drive using control panel
- Use Drive composer entry PC tool and do start-up of ACQ580 using the tool
- Do basic maintenance tasks on ACQ580-01

Main topics

- ACS880 Hardware and software basics
- ACS880 primary control program
- Control panel functions
- Start-up of the drive
- ACQ580-01 hardware construction
- Installation principles of ACQ580-01
- ACQ580-01 control panel operation
- ACQ580-01 software features
- Drive composer entry
- Basic maintenance tasks of ACQ580-01 drive

G640

ACQ580-01 basics hands-on course

Day 1

09:00	Course Information
09:15	ACQ580-01 information
09:30	Exercises begin
10:30	Coffee break
10:45	Exercises continues
12:00	Lunch
12:45	Exercises continues
14:00	Coffee break
14:15	Exercises continues
15:45	Finishing up the course
16:00	End of the day

Exercises:

1. Control panel and start-up exercise
2. Drive composer entry exercise
3. Component location exercise
4. Cooling fan exchange exercise
5. Installation check exercise