

ACQ550 Installation and Commissioning Program Description

Tuition Fee - \$625 per student

Installation and Commissioning for the ACQ550

This instructor-led class provides the student with comprehensive instruction in the installation, wiring, and commissioning of LV Drives. The curriculum combines both instructor-led training and hands-on lab exercises.

The training program for the ACQ550 drives focuses on commissioning for wall mount and enclosure installation of drives up to 550HP. The course includes commissioning practices for standard analog controlled installation and installations utilizing fieldbus communications.

Program Goals

To provide students with the necessary information, tools and training to be able to assess a LV Drive installation, to configure the drive, tune the drive, and perform complete commissioning services.

Program Type and Duration

This program is offered as a combo video-led, online instruction and classroom instructor-led, hands-on lab exercises (1 day). Students will complete online modules before attending the classroom training.

Student Profile

This program is intended for customers, end users with experience working with and installing LV Drives. The students of this program would typically be responsible for installation and technical services related to maintaining LV Drives

Prerequisites

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- Basic understanding of LV AC Drives
- Understanding of basic motor control
- Understanding of LV AC Drive operation
- Product operational knowledge of the ACQ550
- Attended a product overview training program for the ACQ550
- Familiar with product commissioning PC tools

Installation and Commissioning Program

The program provides customers, end users trained technicians with the knowledge and capability to Start-Up LV ACQ550 Drives. The technician can perform the drive installation and configure it properly for service in the application.

Customer and End User advantages:

- Additional engagement with the factory
- Extended installed life of drive product
- Improved overall customer satisfaction
- Differentiation from box mover or web purchase
- Improved life cycle management
- Properly installed and commissioning drive
- Extended life of drive product
- Increased production and process up time

Program Objectives

Upon successful completion of this program, students will obtain the following:

- Apply basic safe work practices for installation and commissioning of LV Drives
- Understand the risks associated with LV Drives
- Complete understanding of the installation requirements for a LV AC Drive
- Apply best wiring practices for LV Drives
- Commission an ACQ550 including fieldbus communications
- Perform basic commissioning fault diagnostics and quickly correct installation issues on site

Student Materials

Each student will receive upon completion of the instructor-led class:

- Student binder with all training materials
- The Basic Guide to Installing an AC Drive
- ACQ550 User Manual

Program Description

Course Description

8:00AM – 5:00PM
<ul style="list-style-type: none">• Program Introduction• Startup Review• Analog Startup Lab• Startup Review Lab• Authorized Startup Review• (Optional) H/O/A and PID Lab

