

ACS880 Training

Installation & Commissioning

Tuition Fee

\$3,400 per student

Description

The Installation & Commissioning training provides the student with comprehensive instruction in the installation, wiring, and commissioning of LV Drives. The program focuses heavily on wall-mount drives (up to 350 HP) and includes e-Learning and video modules regarding commissioning of ACS880-07 cabinet drives (up to 700 HP). The training also includes commissioning practices for standard analog controlled installation and installations utilizing the integrated control panel.

Training Type and Duration

This program is offered as a combination of video-led online instruction and classroom Instructor-led hands on lab exercises for **(1) day**. Students will complete online modules before attending the classroom training. This course also includes approximately **16+ hours of prerequisite eLearning**.

Student Profile

This program is intended for customer and end users with experience working with and installing LV Drives. Students of this program would be responsible for installation and technical services related to maintaining LV Drives.

Prerequisites

Participants must have:

- Experience working with power electrical equipment and voltage levels of up to 690Vac
- The ability to use test equipment such as multi-meters and oscilloscopes
- Knowledge of LV AC Drive theory and operation
- An understanding of basic motor control
- Product operational knowledge of the ACS880
- Product Overview training program for the ACS880
- Familiarity with product commissioning PC tools, and basic computer skills

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.

Installation & Commissioning Program

The program provides customers, end users, and trained technicians with the knowledge and capability to start-up LV Drives. The technician can perform and verify the drive is installed and configured properly for service in the application.

Program benefits:

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

Learning Objectives

Upon successful completion of this training, participants will obtain the following...

- Knowledge of safe work practices for installation and commissioning of LV Drives
- Understanding of the risks associated with LV Variable Frequency Drives
- Complete understanding of the installation requirements for a LV AC Drive
- Best wiring practices for LV Drives
- Experience commissioning an ACS880 utilizing the integrated control panel
- Experience diagnosing and correcting installation and programming-related faults/problems on site

Student Materials

Upon completion each student will receive:

- Student Manual with all training materials
- All necessary ACS880 hardware and firmware manuals (upon request, in PDF format)

Agenda

Day 1

8 AM – 5:10 PM

- Course Introduction
- Installation Start-up Review Presentation
- Review of prerequisite video/e-Learning modules
- Power Labs Safety Presentation
- Basic Wiring & Power-up Lab
- Analog Start-up Lab
- Drivetune-Functions Lab
- (Optional) Programming Exercise Labs
- Survey
- Summary
- Conclusion

