COURSE DESCRIPTION

G185
ACS800-87LC Start-up, Maintenance and Service Hands-on

Course Type and Description

This is a classroom course with hands-on lab activities supported by an instructor. Theory should be studied beforehand in the e-learning course G185e.

The course contains theoretical presentations and hands-on exercises with ACS800-87 Liquid cooled Wind Turbine Converter unit.

Course Duration

The course duration is 2 days.

Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800-87LC Wind Turbine Converters.

Course Goal

The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS800-87LC Wind Turbine Converters.

Course Objective

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

- Commission and tune ACS800-87LC Wind Turbine Converters
- Use the fault tracing methods
- Replace the faulty parts and units
- Operate and maintain ACS800-87LC Wind Turbine Converters

Main Topics

- Reading and interpreting circuit diagrams
- Installation procedure
- Ethernet adapter communication
- Locating and identifying terminals, boards and other components
- Converter commissioning
- Changing the setting
- Fault indications and maintenance
- DriveWindow commissioning and maintenance tool operations

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics
- Experience in using PCs in the Windows environment
- G185e web course recommended

Day 1	
09:00	Introduction to the Course
09:15	System Presentation
10:15	Break
10:30	Installation
11:00	DriveWindow Tool
11:30	DriveWindow Exercises
12:00	Lunch
13:00	DriveWindow Exercise
14:15	Break
14:30	Commissioning
16:00	End of the Day

Day 2	
08:30	Maintenance
09:00	Fault Tracing
10:00	Break
10:15	Repair
11:00	Inverter Unit and Module Exercises
11:45	Lunch
12:30	Inverter Module Exercise
14:00	Break
14:15	Module Installation Back to the Cabinet
15:00	Ethernet Adapter Exercise
16:00	End of the Course

11.7.2019 4FPS10000952359 Rev.A

Street address
ABB Oy
Training Center
Strömbergintie 1 Aa
00380 Helsinki, Finland

Mailing address
ABB Oy
Training Center
P.O. Box 116
00381 Helsinki, Finland

Low voltage drives training
ABB University Finland, Helsinki Training Center
helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity