ABB UNIVERSITY COURSE DESCRIPTION

Z407
CEMS Continuous Gas Analyzer

Course type and methods
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands on sessions and discussions. Approximately seventy percent is hands-on lab activities.

Student Profile
This training is intended for the service and maintenance technician.

Prerequisites
Previous CEMS and/or CGA experience.

Course objectives
Upon completion of this course, students will be able to:
• Maintain the CEMS system for optimal performance
• Understand sample system components in a CEMS system
• Calibrate the AO2000 analyzers
• Interpret analyzer readings for desired system performance
• Interpret status messages and alarms to help identify system conditions
• Disassemble and reassemble system hardware, including sample system components
• Understand the SMT, TCT, and HMI software packages
• Basic knowledge of function blocks

Main topics
• Understand complete CEMS system
• Troubleshooting CEMS system problems
• System module configuration
• Monitor and control of system I/O
• Maintaining and servicing CEMS system
• Calibration procedures

Duration
The duration is 3 days. The start of the class is:
Tuesday – Thursday 8:30 AM – 4:30 PM.

Gain a full and complete understanding of the CEMS system.