Continuous Process: Field Devices: Analog Configuration

Duration: 120 mins  |  Level: Intermediate  |  Pass mark: 80%

Course Description:
This course is designed to familiarize participants with basic procedures for configuring traditional and 'smart' analog field devices. After completing this course, participants should be able to explain how to set zero and span and perform a calibration procedure on a traditional analog transmitter. They should also be able to explain the basics of how to configure a smart analog field device using a portable communicator or a laptop PC.

Learning Objectives:
- Define "analog" as it relates to process control signals
- Explain how analog field devices function in process control systems
- Explain how to set zero and span on a traditional electronic transmitter
- Explain how to perform a calibration procedure on a non-smart transmitter
- Explain the relationship between the value of a process variable and a transmitter's 4-20 milliamp output signal
- Identify the basic configuration parameters for smart transmitters
- Calculate a process measurement from a smart transmitter's analog signal output
- Explain how to configure a smart field device with a portable communicator
- Explain how to configure a smart field device with a laptop PC