

Valve Maintenance with DVC Calibration

September 22-25, 2008

Mansfield, MA

Course # 1451

CEU's: 2.1

Price: \$ 2,100.00

Overview

This is a 4 day session. The first 2-days of the course will cover sliding stem and rotary valves and actuators. Topics will include valve and actuator setup, maintenance, repair and troubleshooting. The following 2 days will be focused on the installation, calibration of the 5000 and 6000 series digital valve controllers (DVCs) using the 275/375 handheld communicator. An overview of AMS ValveLink[®] Software will be included. Students spend 50% of their time in hands-on workshops. Students who complete this course will be able to:

- ⇒ Correctly perform installation procedures
- ⇒ Perform basic troubleshooting
- ⇒ Change valve trim, gaskets and packing
- ⇒ Install and mount a digital valve controller onto a sliding stem actuator/valve and rotary actuator/valve
- ⇒ Configure and calibrate FIELDVUE[®] Instruments with the HART Model 275/375 Communicator

Topics

- Control Valve Terminology
- Globe Valves/Packing
- Actuators
- Bench Set
- Ball Valves
- Butterfly Valves
- Eccentric Disc Valves
- Valve Characteristics
- Control Valve Noise and Cavitations
- DVC Theory of Operation
- HART Communication Signal
- FIELDVUE Instrument Installation
- HART Model 275/375 Handheld Communicator
- Instrument Configuration and Calibration
- Instrument Troubleshooting
- Control Loop Wiring Practices

Prerequisites

Experience in instrument calibration and in control valve maintenance, installation, and operation would be helpful.



EMERSON
Process Management



New England Controls, Inc.
9 Oxford Road
Mansfield, MA 02048
Phone: 508-851-2405
Fax: 508-339-9144

E-mail: education@newenglandcontrols.com

