Process Measurement Products I
(Pressure and Temperature)

Course 2326 CEUs: 2.8
This course is intended for technicians, engineers and other plant personnel who need to know installation, calibration, maintenance and troubleshooting of measurement instrumentation.

Overview
This 4-day course explains how pressure and temperature transmitters function and how they are installed and calibrated. It emphasizes installation, proper set-up and calibration of Analog and Smart Pressure and Temperature Transmitters. The course uses lectures and labs to teach the students. Those who complete this class will be able to:
• correctly perform installation and setup procedures
• properly configure Smart Transmitters
• properly calibrate transmitters
• perform basic troubleshooting

Prerequisites
Some experience in instrument calibration, maintenance, installation and operation would be helpful.

Topics
• Basic 4–20 mA Loop Setup
• Pressure Sensors
• Temperature Sensors (TC, RTD)
• Analog Transmitters (1151)
• HART Communication
• Field Communicator
• Smart Transmitters (1151S, 2088, 3051C & S, 644, 3144P, Tri-Loops)
• Using AMS Device Manager to Configure and Calibrate Smart Transmitters
• Test Equipment Selection
• Installation
• Configuration
• Calibration
• Troubleshooting

Fieldbus Measurement Instruments

Course 2370 CEUs: 2.1

Overview
This 3-day class covers the integration of FOUNDATION Fieldbus compliant measurement devices using the Field Communicator, Emerson USB Fieldbus Modem, AMS Device Manager and other hosts. Upon completion of this course students will be able to: install, configure, calibrate, and troubleshoot Rosemount Fieldbus devices which include the 3051C and 3051S Pressure transmitters, 644, 3144P and 848 Temperature transmitters, 5600, 5400 and 5300 Radar Level Transmitters, and 752 Indicator

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

Topics
• FOUNDATION™ Fieldbus Overview
• Fieldbus’ Wiring/Segment Design/Function Blocks
• Field Communicator Operation
• AMS Device Manager Operation
• Theory of Operation, Installation, Configuration, Maintenance, Calibration and Troubleshooting on the following:
  - 3051C Pressure Transmitter
  - 3051S Pressure Transmitter
  - 3144P and 644 Temperature Transmitters
  - 848 Temperature Transmitter
  - 5600/5400/5300 Radar Level Transmitter
  - 752 Fieldbus Indicator

3051MV Multi-Variable Mass Flow Transmitter

Course 2308MV CEUs: .7
This course is designed for those individuals responsible for the installation, configuration, calibration and maintenance of the Rosemount 3051SMV Transmitter.

Overview
This 1-day course uses lecture and labs to maximize the hands on experience and teach the student how to install, configure, calibrate and maintain the Rosemount Model 3051SMV Smart Flow Transmitter. Students who complete this course will:
• identify transmitter parts and explain their functionality
• explain the principles of operation of the transmitter
• configure and test using the Field Communicator, AMS, and the 3051SMV Engineering Assistant software
• configure the compensated flow parameters using the 3051SMV Engineering Assistant Software
• properly install & troubleshoot the 3051SMV transmitter

Prerequisites
Knowledge of basic Pressure, and DP Flow fundamentals & instrumentation.

Topics
• DP Flow Fundamentals
• Overview and Principles of Operation
• Test Equipment Selection
• Temperature Sensor Wiring
• Bench Testing the Smart Transmitters
• 3051SMV Engineering Assistant Software
• Operation of the Field Communicator and AMS Device Manager
• Digital Trims/Calibration
• Installation and Start-Up
• Troubleshooting and Maintenance

5300 High Performance Guided Wave Radar HART Level Transmitter

Course 2337H CEUs: .7
This course is designed for those individuals responsible for the installation, configuration, calibration and maintenance of the Rosemount Model 5300 High Performance Guided Wave Radar (GWR) Series HART Radar Level Transmitter.

Overview
This 1-day course uses lecture and labs to maximize the hands on experience and teach the student how to install, configure, troubleshoot and maintain the Rosemount Model 5300 Series HART Radar Level Transmitters. Students who complete this course will:
• explain the principles of operation of the 5300 GWR
• identify 5300 GWR parts and explain their functionality
• understand the available probe options and when each should be used
• properly install and wire the 5300 GWR
• configure and test the 5300 GWR
• understand how to setup the 5300 GWR to work in different applications
• properly troubleshoot the 5300 GWR Transmitter and Installation using Radar Master software

Prerequisites
Knowledge of basic level fundamentals and instrumentation.

Topics
• 5300 Overview and Principles of Operation
• Installation of the 5300 GWR
• Wiring the 5300 GWR
• Configuration of the 5300 GWR
• Bench Testing the 5300 GWR
• Field Communicator Operation
• AMS Software Operation
• Radar Master Software Operation
• Troubleshooting and Maintenance
• Tank & Application Troubleshooting and Echo Handling using Radar Master Software
Summary of courses:

### S400 Series HART Radar Level Transmitter

**Course 2336H CEUs: .7**

This course is designed for those individuals responsible for the installation, configuration, calibration and maintenance of the Rosemount Model S400 Series HART Radar Level Transmitter.

**Overview**

This 1-day course uses lectures and labs to maximize the hands on experience and teach the student how to install, configure, troubleshoot and maintain the Rosemount Model S400 Series HART Radar Level Transmitters. Students who complete this course will be able to:

- explain the principles of operation of the S400 Radar
- identify S400 Radar parts and explain their functionality
- properly install and wire the S400 Radar
- configure and test the S400 Radar
- understand how to setup the S400 Radar to work in different applications
- properly troubleshoot the S400 Radar Transmitter and the installation using Radar Master software

**Prerequisites**

Knowledge of basic level fundamentals and instrumentation.

**Topics**

- S400 Overview and Principles of Operation
- Installation of the S400 Radar
- Wiring the S400 Radar
- Configuration of the S400 Radar
- Bench Testing the S400 Radar
- 375 Communicator Operation
- AMS Device Manager Operation
- Radar Master Software Operation
- Troubleshooting and Maintenance
- Tank & Application Troubleshooting and Echo Handling using Radar Master Software

### Continuous Emissions Monitoring Systems (CEMS)

**Course 2157**

This course is for instrument technicians responsible for the maintenance of continuous emissions monitoring systems.

**Overview**

This 3-day course covers basic fundamentals and the theory of operation, installation, calibration and maintenance of continuous emissions monitoring systems.

**Topics**

- Environmental Requirement
- Process Applications
- Theory of Operation
- Sample System Instrument
- Installation and Troubleshooting
- Hardware and Maintenance

### Wireless Self Organizing Network

**Course 2375 CEUs: 1.4**

This course is intended for technicians, engineers and other plant personnel who need to know how to design, install, setup, configure, maintain and troubleshoot Wireless Self Organizing Networks and their components.

**Overview**

This 2-day course explains how Self Organizing Wireless Networks function and how they are installed, setup, configured and integrated. It emphasizes planning, proper installation and startup, configuration, maintenance, and integration. The course uses lectures and labs to maximize the hands on experience and teach the students. Students who complete this course will:

- correctly install and setup the 1420 Wireless Gateway
- properly install and configure Wireless Transmitters
- properly integrate Host interfaces to the Wireless Gateway

**Prerequisites**

Some experience in Networks and Host integration would be helpful.

**Topics**

- How Self Organizing Networks Function
- Self Organizing Networks Best Practices
- Network Components
- 1420 Installation and Setup
- Network Parameters
- Wireless Transmitters installation, Configuration, Maintenance and Calibration
- THUM Installation, Wiring and Configuration
- Integrating and Operating AMS Device Manager with the 1420 Wireless Gateway
- Operation of AMS Wireless Snap-On
- Modbus Serial Integration
- Modbus TCP Integration
- OPC Integration

### X-STREAM Process Gas Analyzers

**Course 2170**

Overview

This 3-day course uses lectures and hands on training to teach the student the non-dispersive infrared, electrochemical or paramagnetic oxygen and thermal conductivity measurement techniques used in the analyzer. Applications will be reviewed including the various housings to meet the environmental needs. The student will:

- learn the theory of operation
- set up software variables for proper calibration and installation
- understand and use the troubleshooting tools including diagnostics

**Topics**

- Overview and Theory
- Application and Selection of Options
- Installation and Troubleshooting
- Maintenance and Calibration

### Rosemount Analytical Four-Wire Instrumentation Models 54e, 1055, 1056, or 1057

**Course 2204/2204V CEUs: .2**

This 2-hour class covers features, benefits and operation of any Rosemount Analytical's Model 54e, 1055, 1056, or 1057. Each analyzer family can measure pH, ORP, contacting conductivity, toroidal conductivity, chlorine, oxygen, and ozone. The Model 1056 can also measure Turbidity in drinking water, flow from a pulse sensor and display any 4 to 20mA signal input. Each instrument has its own available features, and menu tree which will be covered in great detail.

**Overview**

Course 2204/2204V

This 3-day course uses lectures and hands on training to teach the student the non-dispersive infrared, electrochemical or paramagnetic oxygen and thermal conductivity measurement techniques used in the analyzer. Applications will be reviewed including the various housings to meet the environmental needs. The student will:

- understand and use the troubleshooting tools including diagnostics

**Topics**

- Installation and Application Problems
- Configuration of Outputs / Alarms (If Applicable)
- Programming of Automated Cleaning Systems (DO, pH)
- Use Diagnostic Features (If Applicable)
- Sensor Calibration
- Troubleshooting

### Micro Motion Series 1000/2000

**Course 2258 CEUs: .7**

Overview

This 1-day course covers the installation, configuration, and calibration of Micro Motion sensors with the Series 1000/2000 transmitters and peripherals. This course includes hands-on exercises.

**Topics**

- Principles of Operation
- Installation Recommendations
- Transmitter Configuration
- Sensor Calibration
- Troubleshooting
Rosemount 8700 Smart Magnetic and 8800 Series Vortex Flowmeters
Course 2344 CEUs: .7
This combined class is intended anyone that is involved with properly configuring and troubleshooting a Rosemount 8700 Smart Magnetic & 8800 Smart Vortex Flowmeters. Typical job functions include; maintenance technicians, instrument technicians and instrumentation engineers.

Overview
This 1-day course is an abbreviated version of the 2340 and 2341 courses for Rosemount 8700 Series Magnetic and 8800 Series Vortex meters. Typically 2/5 of the course time is spent on Rosemount's 8800 Vortex Flowmeter and 3/5 on Rosemount's 8700 Magnetic Flowmeter. Theory of operation, meter components and installation of each flowmeter are covered. The focus of the class is to provide a hands-on experience configuring and reviewing the most common troubleshooting issue and best practices for resolution.

Prerequisites
This being a 1-Day class covering two flowmeters, some prior experience working with Rosemount's Magnetic and Vortex Flowmeters is recommended. However students with no past experience can also benefit if their learning objectives are to get a basic introduction to operation, installation, configuration and troubleshooting. For all attendees, it is assumed they have a basic understanding of the fundamentals of flow measurement, electricity, analog & frequency signal processing.

Topics
After attending the course the student will be able to do the following for both the Rosemount Magnetic and Vortex Flowmeters:
- Briefly Explain the Fundamentals for How Each Flowmeter Works and the Function of the Key Components
- Have a Basic Understanding of the Installation Best Practices for Orienting, Mounting and Wiring the Sensor and Transmitter
- Perform a Basic Configuration of the Metering System for Various Applications
- Diagnose and Know How to Correct the Most Common Meter and Process Issues

8800 Series Smart Vortex Flowmeter with HC475 / AMS Device Manager
Course 2341 CEUs: .7
This course is intended for anyone that is involved with properly installing, wiring, configuring and troubleshooting a Rosemount 8700 Series Smart Magnetic Flowmeter. Typical job functions include; maintenance technicians, instrument technicians and instrumentation engineers.

Overview
This 1-day course consists of a blend of lectures and hands-on exercises that cover how to install, configure, and maintain the Rosemount 8800 Series Smart Vortex Flowmeter systems. The students will learn the operation and capabilities of the Local Operator Interface and HC475 Field Communicator / AMS Device Manager and how to use these tools to perform configuration. Common issues encountered and troubleshooting techniques will also be covered.

Prerequisites
None required. However, basic understanding of the fundamentals of flow measurement, electricity, analog & frequency signal processing are assumed.

Topics
- Explain the Differences and Capabilities of the Rosemount 8800 Series Vortex Flowmeters
- Explain the von Karman Effect and the Principles of Operation of Vortex Flowmeters.
- Identify Vortex Parts and Explain Functionality
- Configure and Test Transmitters using Field Communicator or AMS Device Manager
- Properly Install and Troubleshoot the Rosemount 8800 Series Vortex Flowmeter System

Fundamentals of Vibration
Course 2069 CEUs: 1.4
Overview
This 2-day vibration training course is for those with no prior experience in vibration analysis. The class prepares participants for the Basic Vibration Analysis Course. Students learn about causes of vibration and methods of measurement. Although the training course does not provide instruction on Emerson's CSI technologies, the class will use them to demonstrate vibration principles.

Prerequisites
None

Topics
- Introduction to Vibration
- Components of a Predictive Maintenance Program
- Basic Fault Identification
- Vibratory Fault Characteristics and Patterns
- Information to Help Jump Start a Vibration Program

Fundamentals of CSI 2140
Course 2076 CEUs: 1.4
Overview
This 2-day hands-on course focuses on the basic operation of the CSI 2140 Machinery Health Analyzer. Students collect data on lab machines. This course is designed for personnel with little or no experience in the field of vibration data collection and analysis.

Prerequisites
Understanding of vibration analysis. Familiar with basic vibration collection principles

Topics
- Analyzer/Computer Communication
- Predefined Route Data Collection
- Job Data Collection and Setup
- Manual Mode Measurements
- Introduction to CSI 2140 Analysis Expert Functions

Basic Vibration Analysis/Category I Compliant
Course 2031 CEUs:2.8
Overview
This 2-day vibration training course is for those with no prior experience in vibration analysis. The class prepares participants for the Basic Vibration Analysis Course. Students learn about causes of vibration and methods of measurement. Although the training course does not provide instruction on Emerson's CSI technologies, the class will use them to demonstrate vibration principles.

Prerequisites
Fundamentals of vibration or up to six months of vibration experience is recommended.

Topics
- Principles of Vibration
- Data acquisition & Signal Processing
- Condition monitoring & Corrective Action
- Equipment Knowledge
- Acceptance Testing
- Basic Analyzer Functions
- The class Shows Students How to Recognize Machine Defects such as:
  - Unbalance
  - Shaft Misalignment
  - Looseness
  - Rolling Element Bearing Defects
  - Gear Problems
  - Resonance Introduction to Electrical Defects
  - Introduction to Electrical Defects
Fundamentals of CSI 2130 Machinery Health Analyzer
Course 2072 CEUs: 1.4

Overview
This 2-day hands-on course focuses on the basic operation of the CSI 2130 Machinery Health Analyzer. Students will collect data on lab machines. This course is designed for students with little or no experience with CSI analyzers, but who are experienced in the field of vibration data collection and analysis.

Prerequisites
Understanding of vibration analysis.

Topics
- Analyzer/Computer Communication
- Predefined Route Data Collection
- Off-Route Data Collection and Setup
- Monitor Mode Measurements
- Peak and Phase Measurements

DeltaV Implementation I
Course 7009 CEUs: 3.2

This course is designed for process & process control engineers responsible for obtaining key production data, maintaining, configuring and troubleshooting a DeltaV system.

Overview
During the 4-1/2 day course, the student will be able to define system capabilities, define nodes, configure continuous and sequential control strategies, create process alarms, operate the system, troubleshoot the system and modify operator displays.

Prerequisites
Microsoft Windows experience. Prospective attendees lacking process control experience should first attend Control Loop Foundation, Course e4025. Prospective attendees new to DeltaV should first attend PlantWeb/DeltaV Introduction, Course 7101, or DeltaV Hardware & Troubleshooting, Course 7018.

Topics
- System Overview
- DeltaV Explorer
- DeltaV Diagnostics
- Control Modules
- Control Studio
- Motor Control with Interlocking and Permissive Conditions
- Regulatory Control
- Cascade Control
- Regulatory Control
- DeltaV Operate
- System Operation
- Alarms & Process History View
- Alarm Help
- Sequential Function Charts
- Configure Theme Dynamos
- Custom Faceplates
- Custom Dynamos
- Electronic Marshalling (CHARMS)

DeltaV Implementation II
Course 7017 CEUs: 3.2

This course is for process control engineers responsible for designing, implementing and testing configuration using the DeltaV system.

Overview
During the 4-1/2 day course, the student will be able to identify function block structures, interpret function block status values, design error masking, define nodes, configure modules using State-Driven & Command-Driven algorithms, configure modules with Analog Control Palette Blocks and create simulation for testing purposes.

Topics
- Function Block Structure
- HART Inputs and Outputs
- Analog Control Blocks
- DeltaV Tune with InSight
- Device Control Options
- Class Based Control Modules
- Expressions
- Unit Alarms
- Multi-Dimensional (Array Parameter)
- Equipment Modules
- Display Environment
- Custom Faceplates
- Custom Dynamos
- HART Device Alarms

DeltaV Hardware and Troubleshooting
Course 7018 CEUs: 2.8

This course is recommended for instrumentation and maintenance technicians, managers, and configuration engineers who need to know about DeltaV hardware. It provides an overview of the DeltaV Control Network, M- and S-series hardware, and software applications. Upon completion, you will be familiar with the hardware and be able to perform troubleshooting techniques.

Overview
This 4-day course focuses on the hardware components that make up the DeltaV system: M-series controllers and I/O, S-series controllers and I/O (including CHARMS), and DeltaV Smart Switches. Using a combination of lectures and workshops, you will learn how to use operator and diagnostic tools to identify and locate hardware-related fault conditions. Workshops provide the opportunity to disassemble and reassemble the M- and S-series hardware and return the system to an operating state.

Prerequisites
Windows Experience

Topics
- DeltaV Overview
- Operator Alarms
- DeltaV Diagnostics
- DeltaV Smart Switches
- DeltaV I/O Cards and Carriers
- Controllers and Power Supplies
- Electronic Marshalling (CHARMS)
- HART I/O
- DeltaV and AMS Suite: Intelligent Device Manager
- Redundant I/O
**DeltaV Operator Interface for Cont. Control**

**Course 7012 CEUs: 1.4**

This course is for operators, supervisors and managers responsible for the operation of continuous processes using DeltaV system.

**Overview**

This 2-day course uses lectures and hands-on workshops to provide an in-depth overview on operating the DeltaV System. Students who complete this course will:
- access operator displays
- manipulate various control module operating parameters to operate the process
- respond to process alarms
- monitor process performance
- view real-time and historical trend data

**Topics**
- System Overview
- Accessing DeltaV Operate Window, Menus Displays and Directories
- Discrete and Analog Control Module Operation
- Accessing Alarm Displays/Alarm Handling
- Motor Control Module Operation
- Regulatory/Cascade Control Module Operation
- Accessing Real-time/Historical Trend Data
- Unit Alarms
- Sequential Function Chart Operation
- Phase Logic Modules

**DeltaV Systems Batch Implementation**

**Course 7016 CEUs: 3.2**

This course is designed for individuals responsible for configuring and commissioning DeltaV Batch software.

**Overview**

This 4-1/2 day course covers the implementation of a complete batch application. A process simulator will provide a batch application. Students will use DeltaV Batch software to configure recipe entities including, Aliasing, Equipment Trains, Dynamic Unit Allocation, Phase Logic, Operations and Unit Procedures. Equipment entities will also be configured including, Units modules and Process cells.

**Prerequisites**

Course 7004, DeltaV Implementation 1

**Topics**
- Batch Overview
- Unit Phase
- Alias Definition
- Unit Module
- Process Cell
- Class Based Control Modules
- Class Based Equipment Modules
- Operation
- Unit Procedure
- Procedure
- Equipment Trains
- Unit Aliasing
- Dynamic Unit Allocation

**DeltaV Operator Interface for Batch**

**Course 7014 CEUs: 1.8**

This course is for operators, supervisors, and managers responsible for the operation of batch processes using DeltaV system.

**Overview**

This 2-1/2 day course uses lectures and hands-on workshops to provide an in-depth overview on operating the DeltaV System. It includes all content in course 7012 plus students will:
- understand basic batch terminology
- manipulate Unit Module parameters
- access the Batch Operator Interface
- run procedures
- review batch history data

**Topics**
- System Overview
- Accessing DeltaV Operate
- Window, Menus Displays and Directories
- Discrete, Analog, Regulatory and Cascade Control Module Operation
- Motor Control Module Operation
- Accessing Alarm Displays/Alarm Handling
- Accessing Real-time/Historical Trend Data
- Unit Alarms
- Sequential Function Chart Operation
- Phase Logic Modules
- Batch Operator Interface
- Batch Historian
- Campaign Manager

**DeltaV™ SIS Overview**

**Course 7301 CEUs: 2.1**

This course is for project managers, supervisors and team members who provide supporting roles on a Safety Instrumented System Project.

**Overview**

This 3-day course is a hands-on instructor led course. The course covers the safe, efficient, and reliable architecture of a smart SIS including Rosemount SIS instruments, DeltaV SIS and Fisher SIS Digital Valve Controllers. Students will gain a working knowledge in Safety Instrumented Function (SIF) design, implementation, and Operations.

**Topics**
- The Safety Lifecycle
- PlantWeb/DeltaV Overview
- DeltaV SIS Overview
- DeltaV SIS Hardware Architecture
- DeltaV SIS Software Architecture
- SIFs in DeltaV
- Rosemount SIS Instruments
- Fisher SIS Digital Valve Controllers
- DeltaV SIS Operations
SIS Implementation

Course 7305 CEUs: 3.2

This course is for personnel who design, implement, commission and service DeltaV SIS.

Overview

This 4-1/2 day course is a hands-on instructor led course. The course covers complete DeltaV SIS Implementation including hardware and software architecture. Students will be able to design a DeltaV SIS Network and Safety Instrumented Functions (SIFs). Additionally, students will be able to configure smart SIS instruments and their associated alerts, including partial stroke testing.

Prerequisites

Course 7009 is a requirement. Recommend IEC 61511 knowledge

Topics

- DeltaV SIS Overview
- DeltaV SIS SLS 1508 Hardware architecture
- DeltaV SIS SIS with Electronic Marshalling Hardware architecture
- DeltaV Safety Instrumented Functions
- Rosemount SIS Instruments Security
- AMS Device Manager relating to DeltaV SIS
- DeltaV SIS Fisher SIS Digital Valve Controllers
- SISNet Repeaters
- DeltaV SIS Security
- DeltaV Version Control

PlantWeb® and DeltaV™ Introduction

Course 7101 CEUs: 2.1

This course is for individuals needing an introduction to the technology and concepts used in the new generation of process control systems and safety systems.

Overview

Students who complete this 3-day course will be able to:
- use and apply PlantWeb terminology and acronyms
- understand the functions of DeltaV hardware components
- understand the capabilities of DeltaV software applications
- understand the Foundation™ Fieldbus technology
- understand AMS Device Manager software
- understand the DeltaV SIS architecture.

Perform basic workstation operations including accessing displays, interpreting faceplates and accessing modules to make process changes, responding to alarms and observing/changing tunable configuration parameters.

Topics

- DeltaV System Description
- Analog Control Modules
- Discrete Control Modules
- FOUNDATION Fieldbus
- AMS Device Manager
- DeltaV SIS Overview
- SIS in DeltaV
- DeltaV SIS Operations

AMS Device Manager

Course 7020 CEUs: 2.1 V12

Overview

Completing 3-days of AMS Device Manager hands-on instructor assisted training modules and exercises, provides the quickest route to your productive use of this predictive maintenance application. The training exercises focus on skills required by engineers and technicians, and are based on real-world tasks that most users will encounter on the job.

7020-1 Configuring and Using AMS Device Manager
- Viewing and Modifying Devices
- Creating a Plant Database Hierarchy and Adding Devices
- Using the Field Communicator with AMS Device Manager
- Using the AMS Device Manager Browser Functions
- Audit Trail
- Calibrating Device – Calibration Assistant
- Configuring and Monitoring System Alerts

7020-2 System Administration
- AMS Device Manager System Overview
- Installing an AMS Device Manager Server Plus Standalone
- Starting AMS Device Manager for the First Time
- Network Communication Interface Setup
- AMS Device Manager Database Management
- Installing a Distributed System
- Installing Device Types from Media

7020-3 SNAP-ON™ Applications
- AMS ValveLink® SNAP-ON Application – Basics
- MV Engineering Assistant SNAP-ON Application
- QuickCheck™ SNAP-ON Application
- AMS Device Manager OPC Server and the Matrikon OPC Explorer
- AMS Device Manager Web Services
- AlertTrack™ SNAP-ON Application
- Wireless SNAP-ON Application

475 Field Communicator Technical Training

Course 475

This 1-day class, upon completion of the 475 Field Communicator technical training, you will be able to setup the 475 for HART or Fieldbus applications, configure the initial setup items like Contrast, Touch Screen and Clock and use the 475 in HART or Fieldbus applications.

Topics that will be covered include:
- Overview
- Initial setup
- Keyboard operation
- HART device specific menu tree
- The Easy Upgrade Utility
Using the device with the HART and Fieldbus applications