Course Overview

Course number: EXP-30
Course length: 4 days

Need to implement your Experion® Process Knowledge System (PKS) HART, FF and Profinbus devices using Honeywell Field Device Manager

This course provides participants the ability to perform the following tasks:

• Build control networks using Field Device Manager
• Add new devices implementing vendor supplied DD Files and DTMs
• Modify parameters of HART Devices from the Experion Station
• Troubleshoot and Maintain HART and FF Devices
• Overview of FDM Express Is a portable, on-the-go version of the Field Device Manager (FDM) for configuration and management of smart field instrument
• Build and execute Partial Valve Stroke Tests (PVST) for the supported Emergency Shut Down (ESD) valves
• Integrate FDM with Uniformance Asset Sentinel for asset synchronization, fault model creation and instrument diagnostic synchronization

Participants will build HART, FF networks, configure HART, FF devices, configure HART Multiplexers, modify parameters, utilize history functions, configure and use Mux Monitoring solution and troubleshoot HART devices using Field Device Manager.

Course Benefits

Efficient utilization of Device information and Parameter modification to maintain process control

• HART functionality
• Add and maintain HART and FF devices on Experion systems

Course Delivery Options

• In-Center Instructor-Led Training
• On-Site Instructor-Led Training

Who Should Take This Course?

Experion PKS System Implementers

Experion PKS C200/C200E/C300 Engineering and configuration tasks can impact the following job roles.

• **System or Application engineer** responsible for configuring process control using HART and FF devices
• **Maintenance Engineer or Technician** responsible for adding, maintaining and/or replacement of HART and FF devices on a control network

Prerequisite/Skill Requirements

Prerequisite Course(s)

• (EXP-2001 or EXP-2001-AT or EXP-2001-VT)

Required Skills and/or Experience

• Familiarity with point building in configuration studio
• Knowledge of C200/C200E/C300 hardware
• Plant experience with HART and FF Devices
• Working knowledge of Windows operating system
• Prerequisite waiver of course instructor

Desirable Skills

• Plant, process, and controls knowledge
• Experience configuring DCS System

Course Topics

You will learn how to….

• Configure and Modify HART, FF, Profinbus, and OneWireless devices using Field Device Manager
• Use of Experion Station interface with HART Device strategies
• Implementation of vendor DD Files and DTMs to implement changes to devices modified by device suppliers
• Troubleshooting HART devices using Diagnostics Methods
• Build and execute Partial Valve Stroke Tests (PVST) for the supported Emergency Shut Down (ESD) valves
• Software configuration
• Integrate FDM with Uniformance Asset Sentinel
Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.honeywellprocess.com/en-US/training