

# Advanced FlowScanner™ Diagnostic Interpretation



**Course 1428 CEUs: 2.1**

This 3-day course is for personnel who are responsible for interpreting plots and other diagnostic data that is acquired with the Fisher FlowScanner. This course focuses on data interpretation. Data acquisition is taught in Course 1427.

## Overview

Because of the advanced nature of this class, the prerequisite is strictly enforced. A pre-test and a control valve awareness test are used to confirm applicant readiness. A brief review of FlowScanner software confirms student familiarity with test setups, pressure and travel channels, and the objectives of all available test procedures. The course is based on a structured combination of lectures and hands-on labs to teach students how to identify problems in control valve assemblies. Emphasis is placed on determining and confirming overall control valve health and condition by examining each of the major components of the assembly: I/P, positioner, actuator, and valve body. Report generation and some field tips are also presented. To capitalize on learning from shared experiences, students are encouraged to bring in test data from an interesting scenario or a current problem. Students who complete this course will:

- Select the appropriate FlowScanner test for a given scenario.
- Understand the impact of scan rates on the appearance and interpretation of acquired data.
- Analyze FlowScanner test data to determine overall control valve health by evaluating the condition of the various components of the assembly.
- Identify multiple anomalies in a single assembly.
- Use FlowScanner functions to generate Quick Reports.
- Learn how to perform a step test on a discrete valve without interrupting power to the valve.
- correctly perform installation procedures
- perform basic troubleshooting
- properly apply and calibrate positioners

**Prerequisites** Course 1427 and a minimum of six months of diagnostic testing with the FlowScanner.

## Topics

- Review of Various FlowScanner Tests and Specific Objectives of Each
- Impact of Test Configuration Errors
- Data Interpretation from Tests of "Bugged" Valve Assemblies
- Multiple Anomalies Found in Control Valves
- Exporting Data
- Generating Quick Reports
- Interpretation of Difficult Uncovered Control Valve Problems

**Course Location** Control Dynamics  
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**Sponsored By** Control Dynamics

**To Enroll or for More Information Contact** Connie Goodman (804) 858-5800 or e-mail [Connie.Goodman@Control-Dynamics.com](mailto:Connie.Goodman@Control-Dynamics.com)

**Course Dates** March 10-12, 2009 (Session #0006) **Registration Deadline** 2 weeks prior to course date

**Price** \$2,000 USDL

Purchase order or payment is required at the time of enrollment. PO, checks & credit cards acceptable and made payable to **Control Dynamics**.

**Cancellations:** If your plans or budgets change, you may cancel your reservations up to 14 calendar days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to the start of the course, and full tuition for failure to attend without canceling. Substitutions are accepted until the first day of class.

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