



Fundamentals of Fieldbus Technology

Course Description

This course is for anyone interested in fieldbus technology. Course will include basic coverage of fieldbus terminology and key concepts. Demonstrations of diagnostic techniques, configuration tools, and device features will help illustrate concepts. Basic knowledge of process control and computers will improve the learning experience. Information from this course provides a basic fieldbus knowledgebase including terminology and key concepts that can be expanded through further specialized training available from Fieldbus Inc.

Course Outline

- Basic concepts and terminology of FF technology
- FF concepts sufficient to understand product literature and documentation
- Design and practical considerations for wiring and installing an FF network including Intrinsically Safe systems
- Major installation issues including power requirements, topology, redundancy, and FF specific wiring practices
- Basic communication mechanisms and related concepts
- Control strategies, loop times, and device types available for target segments
- Basic FF Function Blocks
- Available registered and custom blocks as well as related support materials
- Features and importance of Device Description and Capabilities File technology
- Concepts of mode, status, links, alarms, and trends
- Impact of features on control strategy
- Key host features
- Impact of interpretations on H1 device usage
- Demonstration

Background and Prerequisites

The course assumes little or no knowledge of FF, but participants should be familiar with process control. Review of the Fieldbus Inc. Fieldbus Primer would help prepare the user to understand concepts

Why Fieldbus Inc.

- FI has unparalleled experience in
- Foundation Fieldbus
 - Device Development
 - Process Control
 - Field Service - Trouble-shooting
 - Training
- FI has unique insight into the Fieldbus technology due to our involvement in the
 - Development and maintenance of the Fieldbus specifications
 - Formation and Management of the ISP Foundation
 - Formation of the Fieldbus Foundation

Course Length: 2 days

Course Cost: \$1,050.00 per student (course materials and lunches included)

Location: FI Training Center in Austin, Texas

Dates: 7-8 April 2008
24-25 June 2008
26-27 August 2008
20-21 October 2008