

FOUNDATION fieldbus Technology Training

A hands-on based course,
recognized in all industries



FOUNDATION

Number of participants
Max. 8

Duration/Cost
3 days/S\$2200.00 (before GST)

Course dates for 2019
July 23 - 25
November 22 - 24

For details:
www.endress.com/en/events/training

Contact and registration

Please contact your local
Endress+Hauser Sales Center



Target Group

- Technicians
- Maintenance Technicians
- Service/Support Specialists
- Supervisors
- Programmers/Device Configurators
- Engineers

Goal At the end of the course you will be able to design and commission a FOUNDATION fieldbus network. You will also understand the benefits of the technology and know the procedure for troubleshooting.

The training is Endress+Hauser certified.

Prerequisites Basic knowledge of electronics and ability to use a computer.

Content You will learn with the help of actual hands-on tasks, how FOUNDATION fieldbus technology works in detail. Features like control in the field are shown as well as device configuration via DTM.

Theory

- Organization of the Fieldbus Foundation
- From analog to digital communication
- FOUNDATION fieldbus physical layer (H1, HSE)
- Types of wires and components
- Grounding and shielding concept
- FISCO, Ex-concepts
- Segment calculation (voltage, current loads, number of devices)
- FOUNDATION fieldbus communication method
- Device identification
- Device Descriptions (DDs)
- Link Active Scheduler (LAS) capabilities
- Device integration procedure
- Resource, transducer blocks
- Function block types and parameters

Practice

- Wiring of FOUNDATION fieldbus segments
- Device integration
- Creating control strategies
- Device configuration via DD and DTM
- Signal measurement with oscilloscope
- Bus analysis with the latest tools
- Procedures for troubleshooting
- Device replacement