

Basic industrial ethernet technology training

A hands-on based course, recognized in all industries

Ethernet

Number of participants
Max. 8

Duration
2 days (16 hours)

Course dates
8/11/2015 – 8/12/2015

For details:
www.us.endress.com/c204



Contact and registration:
Please visit www.us.endress.com/c204 or contact your local Endress+Hauser Sales Representative



Target Group

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

Goal At the end of the course you will understand the basics of Ethernet used in an industrial environment. You will learn about the benefits of Ethernet technology in industrial applications, but also about possible outside influences.

The training is Endress+Hauser certified.

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

Content You will learn how an Ethernet network is installed with the help of actual hands-on tasks. Beginning with configuring your own Ethernet cable and planning your network, you will discover how

Ethernet works in detail. Features like device setup, troubleshooting as well as wireless and fiber optical networks are part of the training.

Theory

- Development of Ethernet
- ISO/OSI model
- Types of wires and components
- Network structures and network settings
- Useful DOS commands
- Wireless networks
- Basics on antennas and frequencies
- Safety and encryption
- Tools
- Protocols used in the industry
- IT security
- VPN (Virtual Private Network)
- Remote access to industrial facilities
- Perspectives and trends

Practice

- Wiring of Ethernet segments
- Device setup
- Troubleshooting
- Setup of wireless networks