



شركة ميرك العربية السعودية
MEIRC Saudi Arabia

Operation and Maintenance of Pneumatic Control Systems

Duration 5 Days

Introduction

This course covers the components, basic operating principles, maintenance, procedures, and trouble shooting for typical pneumatic control systems. It presents step by step the procedures for maintenance and trouble shooting. It helps the participant to work safely, how to repair, adjust, calibrate, install and troubleshoot transmitters, controllers, control valves and other pneumatic instruments

Who Should Attend

Instrument mechanics, technicians, maintenance supervisors and any newcomers to the instrument field

Course Objectives

By the end of this course the participant will be able to:

- Understand process control
- Understand the principles of pneumatic systems
- Understand pneumatic circuits and symbols
- Be familiar with maintenance procedure
- Be familiar with calibration procedures
- Be familiar with installation techniques
- Be familiar with pneumatic sensors and transmitters
- Be familiar with pneumatic control valves

Course Goal:

- To enhance participants' knowledge, skills, and abilities necessary for safe preparation, start-up, operation, troubleshooting for typical pneumatic control systems

Course Outlines:

- Introduction to process control
- Principles of pneumatic systems
- Air preparation and air compressors
- Pneumatic circuits and symbols
- Pneumatic test instrument
- Maintenance procedure
- Safety
- Calibration procedures
- Installation techniques
- Pneumatic sensors and transmitters
- Regulators and recorders



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- Pneumatic control values.