

Actuator

Actuators & Positioners

Z204e – Web-based training (External version)

Course duration

1.0 hour, depending on personnel knowledge

Course type

This is a web-based training course. The course includes self-study material and self-assessment questions. The language of the course is English.

Course goal

The goal of this course is to introduce the product basics of the ABB actuators.

The training covers the following topics:

- Technical principles
- Product portfolio & technology
- Applications

Student profile

All ABB stakeholders (customers, universities, partners, ...)

Course objectives

Upon completion of this course, students will be able to:

- Define actuators and actuator systems
- Differentiate between electric / pneumatic / hydraulic actuators
- Differentiate between open and closed-loop control
- Define force and torque
- Define rotary and linear motion in valves
- Differentiate attachment options such as linkage bar assembly and direct mounting
- Describe the entire product portfolio
- Distinguish between linear and modulating actuators according to name and design
- Explain the basics of explosion protection and apply these to Contrac
- List the suitable devices for explosion protection
- Name the main fields of application of Contrac control actuators
- Describe the different applications
- Capitalize on the success stories