

# Positioner

Actuators & Positioners

## Z203e – 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 positioners.

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 „Aktorik“ and actuators
- Differentiate between electric / pneumatic / hydraulic actuators
- Differentiate between open and closed-loop control
- Define force and torque
- Describe rotary and linear motion in valves
- Describe the duties of a positioner
- Explain the basic principles of explosion protection
- Describe our product portfolio
- Classify the various types of communication
- List the appropriate devices for Ex-protection
- Differentiate types of valve installations of the positioners
- Explain the commissioning and operational mode of the TZIDC product range
- Name the application areas of the positioner
- Describe the different applications
- Make use of the success stories
- Explain long-term and endurance tests