

# DP Flow Metering

Flow Measurement

## Z232e – 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 course introduces the new Compact DP Flowmeter Family, which comprises of 4 flowmeters together with a new, easy to use, intuitive software package for sizing, selection and configuration.

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:

- Specify the DP flow technologies used in the ABB Compact DP Flowmeter family
- Describe the principle of operation that applies to Orifice, Integral orifice and Wedge, and how it is different from the principle that applies to an Averaging Pitot
- State the differences in the effect of temperature and pressure changes on the flow measurement of a liquid, compared to measurement of a gas.
- List the advantages of multivariable transmitters over separate transmitters
- Recall the advantages that compact construction
- State the size ranges for each model
- List the advantages of replaceable plates as well as the models and meter sizes for which they are an option
- State the transmitter models used on V & M meters including effects of design level on model
- Recall the key unique features of the 266DSH transmitter
- Describe the key application areas for each family member – OriMaster, IOMaster, WedgeMaster and PitoMaster
- State the limitations that the compact construction format imposes on application fluids/conditions