

# Advanced Training Classes with Hands on Experience

## Interface Level and Density Measurement

### The Application Training Center

Your competent partner for application training in Process Automation.

The mission of the ATC is to provide:

- Training with extensive hands-on experience
- Training under real process conditions
- Learning in small groups
- A didactical proven concept

Our training guarantees a sustainable training success.

### Location

The Application Training Center is Located in Reinach, Switzerland.

Experience a 'hands-on experience' with training courses from the Application Training Center.



Hands-on lessons under real process conditions guarantee the best learning result

Use radiometric, guided wave radar and capacitive measuring technologies for interface level measurement and vibronic, coriolis and radiometric for density determination.

**Course content** Different technologies are available for the measurement of interface level and density.

We introduce you into the technological basics of the most common used physical principles for interface level and density measurement. Learn the selection of the best fit for purpose technology, the recommended installation of the instrumentation, up to the correct commissioning in the application.

**Key benefits** Understand: radiometric, guided radar, capacitive interface level measurement, as well as radiometric, vibronic and coriolis density measurement in theory. Learn to handle guided radar and capacitive interface and vibronic and coriolis density measurement in practice.

Learn how to set up an interface or density measurement for the different types of applications.

### Focus topics interface

- Recall and deepen guided radar, capacitive and radiometric measuring principles
- Installation guidance according to the application requirements
- Measurement and configuration in applications with clear interface layer, multilayer or emulsion layer
- Configuration of guided radar and capacitive probes in practical hands-on lessons

### Focus topics density

- Recall and deepen radiometric, vibronic and coriolis measuring principles
- Measurement in standard applications
- Typical instrument installation positions in pipes and tanks
- Configuration of vibronic, coriolis and radiometric measurement in practical hands-on lessons



Experience real process conditions with our training rigs

**Target group** Anyone who is interested in interface level and density measurement technologies as well as maintenance and project engineers for interface level applications.

**Working methods** A combination of presentations and workshops, hands-on in small groups (max. 4).

**Language** English

**Preconditions** Successful participation in the courses: Level Instrumentation Fundamentals & Configuration and Flow Instrumentation Fundamentals & Configuration

**Time**  
1. Day from 09:00am to 05:00pm  
2. Day from 09:00am to 05:00pm

**Location**  
Endress+Hauser Consult AG Sales Support  
Application Training Center  
Kaegenstrasse 18  
CH-4153 Reinach

**Participation fee** 1,600.- CHF (including lunch and refreshments during coffee break)

**Registration** Online on [www.endress.com/atc](http://www.endress.com/atc) or through email: [atc@consult.endress.com](mailto:atc@consult.endress.com)

Training topics may be subject to change in case of technical reasons

#### Application Training Center

Endress+Hauser Consult AG Sales Support  
Kägenstrasse 18  
4153 Reinach  
Switzerland  
Phone: +41617157700  
Fax: +41617152888  
[atc@consult.endress.com](mailto:atc@consult.endress.com)  
[www.endress.com/atc](http://www.endress.com/atc)