

Guided Wave Radar

Level Measurement

Z227e – 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 MT5000 Series Guided Wave Radar..

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:

- Understand dielectric constant and its influence on guided wave radar measurement
- Explain how guided wave radar technology uses the Time of Flight principle of operation to measure level
- Describe how guided wave radar measures level and interface level
- Understand the universal nature of the technology
- Identify the influence of process variables on guided wave radar technology
- Name the three segments of the MT5000 Series of guided wave radars
- Identify which MT5000 Series guided wave radar is most suitable for the application in question
- Describe the probe options for solids vs. liquids applications
- Recall successful applications where the MT5000 Series guided wave radar is currently installed in target industries
- Identify applications to recommend the MT5000 as a successful level measurement solution