

# Sample Conditioning Kiln (SCK) Analyzer

Analytical Measurement

## Z255e – 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

In this new eLearning course you will learn about ABB's SCK analyzer.

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:

- Describe the principles of cement production
- Describe the main parts of a cement plant
- Describe what happens inside a rotary kiln
- Name the sampling points for gas analysis, especially for the SCK
- Describe the whole purpose of gas analysis in a cement plant
- Describe the SCK and its different modules
- Describe different probe tubes and their function
- Know the different product variants
- Describe what is necessary to create a complete analyzer system
- Describe the challenges of SCK-specific sampling points
- Describe influencing factors on material properties of raw material in the kiln
- Select the best possible probe depending on the local conditions