C317
QCS Optical Caliper Sensor Maintenance

Learn the theory, application, maintenance and troubleshooting for the Optical Caliper Sensor and to prepare the student for certification for this sensor.

**Course type and methods**
This is an instructor led workshop with short presentations and demonstrations, extended exercises, and hands-on sessions and discussion.

**Student Profile**
This course is targeted to Field Services personnel who are responsible for maintenance of a Network Platform QCS system.

**Prerequisites**
Students should have attended the C235 Network Platform with QCS LAN, or have extensive experience working with the Smart Platform or Network Platform QCS system. ABB Students are encouraged to bring their ABB supplied laptop to class.

**Course objectives**
Upon completion of this course the participants will be able to:
- Upon completion of this course, the participants will be able to:
  - Understand the theory of operation of the Optical Caliper sensor
  - Setup and Alignment of sensors in Network Platform
  - Determine the appropriate applications for the Optical Caliper Sensor.
- Recalibration of the Optical Caliper Sensor
- Troubleshoot typical problems with the Optical Caliper sensor
- Tuning of the Optical Caliper Sensor for scanner deviations
- Make proper adjustments to the sensors for specific applications
- Calculate new grade code variables based on correlation results

**Main topics**
- Sensor Theory
- Sensor Mechanical Operation
- Sensor Electrical Operation
- Alignment and Setup
- Calibration
- Troubleshooting

**Duration**
The duration is 3 days
## Course Outline

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