

# Safety Laser Scanner Configuration Training

## SICK LifeTime Services Training Course



### Description

This training module covers how safety laser scanners work; how to select, install, configure, maintain or replace a scanner; and how to use the extensive troubleshooting capability built into every safety scanner. Participants will work with SICK CDS (Configuration and Diagnostic Software) and/or SD (Safety Designer) to examine configurations and diagnostic tools. Participants learn how to properly service and replace the protective screen. More difficult applications are discussed to increase knowledge of product and interface capabilities. The instructor will share presentations and product demonstrations using either an online meeting tool, or when delivered at customer site or at the SICK North American Training Center, a hands on learning experience. Exercise tasks will be used to monitor participant's competency as the training progresses.

### Objectives

- Identify scanner models
- Increase knowledge of scanner functionality
- Develop basic scanner selection and installation skills
- Determine scanner wiring requirements
- Develop knowledge of scanner configuration parameters using CDS and/or SD
- Design field sets
- Create cases
- Examine diagnostic information and troubleshooting tools
- Backup and load saved configurations
- Replace a scanner screen and recalibrate
- Identify how scanners are integrated into a safety control system

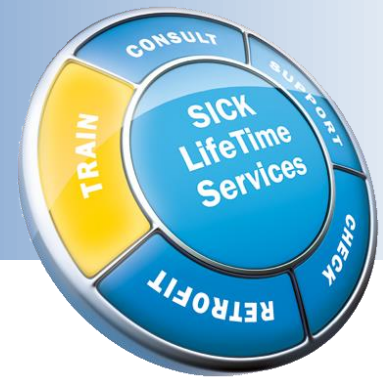
### Course Benefits

- Acquire the knowledge of how to avoid false trips to reduce downtime
- Develop troubleshooting skills to resolve issues in a minimum amount of time
- Establish when and how to properly clean a scanner screen to reduce device errors
- Expand knowledge of how to replace a scanner screen and recalibrate to extend the necessary cleaning interval
- Configure safety scanner systems without assistance
- Understand how scanners are integrated into safety control systems



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### Target Audience

Technical Staff, Maintenance Managers, Integrators and Plant Engineers

### Prerequisites

- Simple mechanical aptitude
- Basic computer skills

### Recommended Additional Course

Basic Machine Safe Guard Training

### Duration

4 Hours

### Class Size

Maximum of 8

### Where Offered

- Customer site
- SICK North American Training Center
- Online meeting

### Format

Presentation, demonstration, and exercises/quizzes

### Testing Available

Yes

### Customer Required Materials

For training at customer site, at a minimum, for every two participants:

- PC with SICK FSD and/or SD software installed prior to attending

- Minimum of two (2) 110 VAC outlets

For virtual training:

- PC with SICK FSD and/or SD software installed prior to attending

- Online meeting tool installed (if necessary) prior to attending

### Logistics

The following must be made available for the duration of the training:

- A suitable training room/area
- For in-person training at customer site or at the SICK North American Training Center, SICK provides hardware workstations for the hands-on experience

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

### Part Number

1065305

Travel expenses additional. Please contact SICK for information.

### SICK Training & Education

From product training, start-up assistance and engineering and consulting services – SICK provides the necessary support before and after field installation through an established network of field personnel. Review our training, service and support programs and let SICK help you reach your goals with our innovative, cost-effective solutions.

SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at <http://www.sickusa.com> for more information.