

Safety Scanner – Flexi Soft Safety Controller Configuration Training

SICK LifeTime Services Training Course



Description

This training module is intended to increase the participant's knowledge of SICK safety laser scanners and how it interfaces with the Flexi Soft safety controller. This module covers how safety laser scanners work; how to install, configure, maintain or replace a scanner. Participants will expand their knowledge using SICK CDS (Configuration and Diagnostic Software), FSD (Flexi Soft Designer) and/or SD (Safety Designer) software, depending upon products. Participants will acquire the knowledge of how to configure and integrate a safety scanner(s)-Flexi Soft safety system. Participants will develop the skills necessary to use the available diagnostic reports and troubleshooting tools built into every safety scanner and Flexi Soft system. Participants will acquire the knowledge of how to properly service, replace and calibrate the safety scanner protective screen. 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

- Examine the safety scanner and its functionality when used with Flexi Soft
- Create protective fields sets
- Create cases
- Use SICK software to integrate a safety scanner(s) with Flexi Soft system
- Identify how to use protective field cut-off bits in Flexi Soft logic
- Develop knowledge of how the safety scanner uses digital inputs and velocity information from Flexi Soft to change field sets
- Backup and load saved configurations
- Examine safety scanner diagnostic codes
- Create wiring faults to increase knowledge of how to troubleshoot a safety system

Course Benefits

- Participants will develop skills to configure protective fields and use cases to switch protective fields
- Participants will be able to reduce downtime by interpreting diagnostic codes to get a scanner back in operation quickly
- Participants will acquire the knowledge of what maintenance procedures will keep a scanner on-line without unnecessary faults
- Participants will learn when it is necessary and how to replace a Flexi Soft module quickly
- Participants will learn how to troubleshoot a Flexi Soft system, with and without a computer, in order to minimize system downtime
- Participants will learn how to backup and restore configurations



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Target Audience

Plant Engineers, Integrators and Electrical Technicians

Prerequisites

- Flexi Soft Configuration Training or experience configuring Flexi Soft safety control systems

Recommended Additional Course

- Basic Machine Safe Guarding Training

Duration

8 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

1065307

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. Training, service and support programs from 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.