

Safety Laser Scanners Maintenance Training

SICK LifeTime Services Training Course



Description

This training module is considered an entry level course for the purpose of understanding basic safety laser scanner operation and maintenance. This training module covers why safety laser scanners are used and how they function. Participants will learn techniques for installation and maintenance. Participants will be introduced into how to interpret the product diagnostic LEDs and display for troubleshooting purposes. Participants will be able to distinguish normal operating status from a fault condition. Participants will learn when a safety laser scanner requires cleaning or realignment, and when it needs to be replaced. This module is not intended to cover how to select the appropriate product for specific applications, nor configure safety scanners using SICK configuration software for commissioning. These advanced topics are covered in separate SICK LTS training modules. 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 safety laser scanner purpose, use and functionality
- Identify LEDs to distinguish normal operation from an abnormal operating status
- Describe diagnostic display to identify specific faults and probable corrective actions
- Learn best practices for cleaning front screen
- Identify best practices to replace a scanner optical cover and recalibrate
- Understand scanner model differences and compatibility for replacement purposes
- Identify when a product should be replaced
- Establish best practices for how to retest device for proper functionality

Course Benefits

- Participants will learn how to distinguish between a nuisance trip and fault to minimize down time
- Participants will acquire the knowledge of when and how to properly clean a scanner optical cover in order to reduce device outages and downtime
- Participants will be able to implement best practices and skills for replacing a scanner optical cover, saving time
- Participants will acquire the knowledge of how to recalibrate a device, thus extending cleaning interval and thereby reducing potential downtime
- Participants will be able to identify product component compatibility between models to reduce spares inventory



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Target Audience

Maintenance Personnel

Prerequisites

Simple mechanical aptitude

Recommended Additional Courses

Basic Machine Safeguarding Training
Safety Scanner Configuration Training

Duration

2 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:

- Minimum of two (2) 110 VAC outlets
- For virtual training:
- 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 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

1069315

SICK Training & Education

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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.