CLV6xx
Basic Configuration Training

SICK LifeTime Services Training Course

Description

The course teaches not only the basics of bar code technology, and how to identify different symbologies, but also how to distinguish good quality code from bad. Real-world printed codes are examined and evaluated for quality and readability.

The course teaches scanner operating principles, analog to digital conversion, how code resolution affects readability, how to use scanner reading range charts, available scan width, and how scan speed influences read rates. Participants will learn about the different types of focus control, depth-of-field, bar code orientation, and when to use line, raster or oscillating mirror configurations. The effects of skew, tilt and pitch mounting angles will be examined.

Participants will learn techniques for mounting scanners, how to use scanner push buttons to check alignment and how to quickly evaluate performance without use of a computer. Participants will learn how to connect to scanners with SOPAS software and check and adjust basic reading parameters. The class instructs how to save the scanner configuration, how to remove an old scanner, replace with a new scanner and load a saved configuration.

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 how code density affects scanner readability and read range
- Examine quiet zone, effect of aspect ratio, print contrast ratio
- Examine different symbologies
- Examine effects of skew, tilt and pitch angles
- Examine how scan speed affects read rates
- Evaluate different scanner types: line, raster, oscillating mirror
- Mounting techniques
- Scanner wiring
- Push buttons
- Connect with SOPAS software
- Basic parameters
- Diagnostic information
- Save and load a configuration

Course Benefits

- Participants will learn to determine if a scanner is at fault for no-reads or if the printing process needs improvement
- Participants will learn which type of scanner (line, raster or oscillating mirror) is best for an application
- Participants learn how to "quick start" a scanner
- Participants will learn how to quickly evaluate scanner performance without computer
- Participants will learn how to obtain basic scanner diagnostic information using SOPAS
- Participants will learn how to quickly replace a scanner

V20295

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Target Audience
Technical staff, maintenance engineers, integrators and plant engineers

Prerequisites
- None

Recommended Additional Course
- None

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 SOPAS installed prior to attending
- Minimum of two (2) 110 VAC outlets

For virtual training:
- PC with SOPAS installed prior to attending
- Online meeting tool installed (if necessary) prior to attending

SICK furnishes scanner hardware and accessories for hands-on.

Logistics
The following must be made available for the duration of the training:
- A suitable training room/area for the lecture portion of the training
- A projector with screen for use with a PC

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
1065390

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.

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