

LMS4xx Laser Measurement Scanners Configuration Training

SICK LifeTime Services Training Course



Description

This training module covers how LMS (Laser Measurement Scanners) function, how to select, install, configure and maintain an LMS. Participants experience a hands-on session using SOPAS (SICK Open Portal Applications and Systems) software to examine configuration parameters. Participants learn how to properly service and replace products.

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

- Mounting and hardware
 - Components
 - Mounting brackets
 - Weather hoods
- LMS wiring and interface connections
- Ethernet communications
- Configure using SOPAS and test various feature-options:
 - Field sets
 - Evaluation cases
 - Filters
 - Encoder
 - Blanking
- Backup and load saved configurations
- Recognize and correct product alerts for poor alignment and contamination

Course Benefits

- Participants will learn about mounting hardware, techniques and tools to minimize commissioning time
- Participants will learn how to analyze LMS systems to resolve issues in a minimum of time
- Participants will learn when and how to properly clean a LMS to reduce unexpected outages
- Participants will be able to extract and save configurations from existing systems
- Participants will be able to load a saved configuration to a replacement in a minimum of time



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Target Audience

Technical Staff, Maintenance managers, Integrators, Plant engineers

Prerequisites

- Basic computer skills

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 will provide LMS training unit and accessories for Hands-on learning experience.

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

1065444

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.