

Technology trainings

Understanding complex topics

TRAINING AND EDUCATION

SICK
Sensor Intelligence.

Product description

Selection of the right technology can be the key to success.

Only those who know the strengths and weaknesses can make proactive decisions. In the technology trainings from SICK, the advantages and disadvantages as well as principles of operation and foundations of a wide range of topics are considered.

Experts also teach entire subject areas with a technological focus to impart application-oriented background knowledge.

These foundations can help to select the correct technology and save costs, minimize errors and be very well prepared for the future.

At a glance

- Up-to-date technologies taught in a clear manner
- Strengths and weaknesses of the technologies
- Application-related trainings
- Structured training documentation
- Issue of a certificate

Your benefits

- Minimization of errors by selecting the right technology
- Reduce costs by using less expensive technology
- Use the most modern technology to create a competitive edge
- Faster analysis of errors due to sound knowledge

Ordering information

Additional services → www.sick.com/Technology_trainings

- **Short description:** Introduction to and overview of the topic of Deep Learning with illustrative examples of industrial applications.

Training format	Pre-requisites	Class size	Product family group	Duration	Type	Part no.
Virtual Classroom, Classroom training	Own laptop with current browser	Maximum 20 trainees	Sensor Integration Machine, 3D machine vision, Engineering Tools	1.5 h	Deep Learning with SICK - Introductory training	1618603

- **Range of services:** Structured e-learning on the topic of artificial intelligence and Deep Learning, can be done at any time or place thanks to flexible e-learning format

Training format	Pre-requisites	Duration	License scope	Type	Part no.
Web-based training	No pre-requisites	40 min	12 months	Successful use of artificial intelligence in quality control	1616245

- **Short description:** Practical introduction to Deep Learning, creation of your own neural network for classification, introduction to the SICK dStudio tool.

Training format	Prerequisites	Duration	Type	Part no.
Classroom training	Basic IT knowledge	1 d	Hands-on Artificial Intelligence Training	1617379

Training format	Pre-requisites	Product family group	Duration	Type	Part no.
Classroom training	Basic knowledge on iden-	-	1 d	RFID workshop – application possibilities for various RFID technologies	1610674

Training format	Pre-requisites	Product family group	Duration	Type	Part no.
	tification solutions, personal laptop with administrator rights, the latest SOPAS software				
Teachware	Computer with Internet access	2D machine vision	6 h	Educational Set Artificial Intelligence	1116204
Web-based training	Computer with Internet access	2D LiDAR sensors	20 min	WBT 2D-LIDAR TECHNOLOGY	1614110

- **Range of services:** contains 5 modules: Introduction, Technology, Products, Applications, and wrap-up

Training format	Pre-requisites	Duration	License scope	Type	Part no.
Web-based training	Computer with Internet access	2 h	Online access to training valid for 12 months	RFID basics - Simply explained!	1615407

- **Short description:** The HIPERFACE DSL E-Learning Quickstart Guide imparts basic knowledge on the HIPERFACE DSL interface and its integration into the servo controller.

Training format	Duration	Type	Part no.
Web-based training	55 min	HIPERFACE DSL Quickstart Guide	1615119

- **Short description:** contains the modules: I4.0, fieldbus, PLC, engineering, IO-Link
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical engineering, Fundamentals of automation engineering	3.5 h	Integration Solutions Basics	1613310

- **Short description:** introduction to the basics of engineering tools, engineering tools and function blocks for SICK sensors
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical engineering, Fundamentals of automation engineering	30 min	Integration Solutions Basics - Engineering	1613306

- **Short description:** introduction to the OSI model and network topologies, overview of different fieldbus types and providers
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical engineering, Fundamentals of automation engineering	40 min	Integration Solutions Basics - Fieldbus	1613304

Training format	Prerequisites	Duration	Type	Part no.
	mentals of automation engineering			

- **Short description:** examples of I4.0 implementations in the current industrial environment, a variety of I4.0-relevant protocols
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical engineering, Fundamentals of automation engineering	40 min	Integration Solutions Basics - I4.0	1613308

- **Short description:** integration of IO-Link products in automation systems, use of function blocks
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical engineering, Fundamentals of automation engineering	75 min	Integration Solutions Basics - IO-Link	1613301

- **Short description:** programmable logic controllers (PLC), manufacturers, and interfaces, practical examples for sensor connection to PLC
- **Range of services:** Online access to training valid for 12 months

Training format	Prerequisites	Duration	Type	Part no.
Web-based training	Fundamentals of electrical	30 min	Integration Solutions Basics - PLC	1613302

Training format	Prerequisites	Duration	Type	Part no.
	engineering, Fundamentals of automation engineering			

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com