



Integration solutions – Basics

Technology trainings

TRAINING AND EDUCATION

SICK
Sensor Intelligence.



Ordering information

Type	part no.
Integration solutions – Basics	1613310

Other models and accessories → www.sick.com/Technology_trainings

Detailed technical data

Features

Description	Intelligent sensors provide a wealth of information which can be integrated sensibly into an automation system in an Industry 4.0 environment. The correct integration of sensors as data suppliers for automated applications and cyber-physical systems is decisive for the efficient and successful implementation of digitally networked processes and systems. The 3.5-hour Integration Solutions Basics training provides sound basic knowledge about the correct integration of sensors in various levels of the automation pyramid. Communication technologies such as IO-Link, fieldbuses or cloud connection get just as much attention as programmable logic controllers (PLCs) and engineering tools.
At a glance	Comprehensive training on the topic of sensor integration Includes the IO-Link, fieldbus, PLC, engineering and I4.0 modules Glossary with the most important terms Didactic test questions for sustainable transfer of knowledge Certificate Available languages. German, English, Chinese
Your benefits	Efficient, successful and cost-optimized design and implementation of digitally networked processes and systems thanks to sound basic knowledge of sensor integration Knowledge of the interplay of sensor technology, communication, control, networking and data acquisition directly contributes to increases in productivity and system availability Good understanding of the efficient design of Industry 4.0 solutions E-learning format for individual learning at any time or place ensures a high degree of success in learning Affordable and efficient learning format
Objectives	Sound basic knowledge of sensor integration in automated and cyber-physical systems Knowledge of various communication protocols and controls, cloud and hosting variants Understanding of different data types and their meaning for sensor integration
Attendance type	Online
Training format	Web-based training
Duration	3.5 hours
License period	Online access to training valid for 12 months
Level	Basics
Target audience	Planners Project engineers Measuring and control equipment Students
Available languages	German English Simplified Chinese
Certificate	SICK
Prerequisites	Basic knowledge of electrical engineering Fundamentals of automation engineering
Technical prerequisites	PC or laptop with a current web browser and an Internet connection

Classifications

ECLASS 5.0	25250708
ECLASS 5.1.4	25250708
ECLASS 6.0	25250708
ECLASS 6.2	25250708
ECLASS 7.0	25250708
ECLASS 8.0	25250708
ECLASS 8.1	25250708
ECLASS 9.0	25250708
ECLASS 10.0	25250708
ECLASS 11.0	25250708
ECLASS 12.0	25250708
ETIM 6.0	EC003015
ETIM 7.0	EC003015
ETIM 8.0	EC003015

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