



# 2D LiDAR Technology – Basics

Product, system, and software trainings

TRAINING AND EDUCATION

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
2D LiDAR Technology – Basics	1614110

Other models and accessories → [www.sick.com/Product\\_system\\_and\\_software\\_trainings](http://www.sick.com/Product_system_and_software_trainings)

### Detailed technical data

#### Features

<b>Description</b>	The LiDAR (light detection and ranging) technology makes it possible to detect environments in two and three dimensions. The “2D LiDAR Technology” web-based training is an introduction to the basics of this technology and creates an excellent foundation for using 2D LiDAR sensors and understanding their functions.
<b>At a glance</b>	<ul style="list-style-type: none"> <li>Explanation of all relevant technical terms</li> <li>Presentation of different measurement principles</li> <li>Interactive web-based training with test questions for sustainable transfer of knowledge</li> <li>Audio and animated training</li> <li>Certificate of successful completion of course</li> </ul>
<b>Your benefits</b>	<ul style="list-style-type: none"> <li>Understanding the basic technology and classifying the different measurement principles make it easier to select and correctly use a sensor in an application</li> <li>E-learning format for individual learning, regardless of the time or place, ensures a high degree of learning success</li> </ul>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>Develop your basic understanding of 2D LiDAR sensors and their technology</li> <li>Gain a clean understanding of the terms reflectance, scanning range, angular resolution, scan rate and their meaning in application contexts</li> <li>Learn about different measurement principles and the differences between them</li> </ul>
<b>Attendance type</b>	Online
<b>Training format</b>	Web-based training
<b>Duration</b>	20 minutes
<b>License period</b>	Online access to training valid for 12 months
<b>Level</b>	Basics
<b>Target audience</b>	<ul style="list-style-type: none"> <li>Developers</li> <li>Project engineers</li> <li>Students</li> </ul>
<b>Available languages</b>	English
<b>Certificate</b>	SICK
<b>Technical prerequisites</b>	PC or laptop with a current web browser and an Internet connection

#### Classifications

<b>ECLASS 5.0</b>	25250708
<b>ECLASS 5.1.4</b>	25250708
<b>ECLASS 6.0</b>	25250708
<b>ECLASS 6.2</b>	25250708
<b>ECLASS 7.0</b>	25250708
<b>ECLASS 8.0</b>	25250708
<b>ECLASS 8.1</b>	25250708
<b>ECLASS 9.0</b>	25250708

<b>ECLASS 10.0</b>	25250708
<b>ECLASS 11.0</b>	25250708
<b>ECLASS 12.0</b>	25250708
<b>ETIM 6.0</b>	EC003015
<b>ETIM 7.0</b>	EC003015
<b>ETIM 8.0</b>	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](http://www.sick.com)