Data sheet



LiDAR-LOC 2

LiDAR-LOC

APPLICATION SOFTWARE

SICK
Sensor Intelligence.



Ordering information

Type	part no.
LiDAR-LOC 2	1122751

Other models and accessories ➜ www.sick.com/LiDAR-LOC

Detailed technical data

Features

Task	Localizing, navigating and guiding - Localizing Localizing, navigating and guiding - Navigating Determining position - 2D position determination
Application	Localization of AGVs/AGCs/AMRs, AGV systems, and mobile platforms of any kind
Variant	Prime
Product category	Embedded software
Output data	Position (x, y, direction angle), for details see operating instructions
Language	English
Type	Stand-alone
Version	1.0
Supported products	SIM1000 FX Controller (IPC): x86-64, ARM
Vertragstyp	Software product, one-time payment
Speed	≤ 3 m/s, translatory ≤ 90 °/s, rotatory
Position output	At up to 66 Hz
Localization resolution	1 mm, position [1)] 0.001°, orientation [1)]
Localization accuracy	Typ. < 10 mm, position Typ. < 0.25°, orientation Depending on the sensor combination and environment
Odometry support	Ruggedization of the localization solution using additional vehicle movement information.
Support with reflectors (R4S)	Localization even in difficult environments with the help of reflectors
Dynamic environmental perception (DEH)	Differentiation between static and dynamic objects
Number of connectable LiDAR sensors (laser scanners)	4

[1)] The resolution refers to the output localization result via result port and not to the connected sensor's measurement resolution.

Classifications

ECLASS 6.2	19211201
ECLASS 7.0	19211201
ECLASS 8.0	19211201

ECLASS 8.1	19211201
ECLASS 9.0	19211201
ECLASS 10.0	19211201
ECLASS 11.0	19211201
ECLASS 12.0	19211201
ETIM 5.0	EC000809
ETIM 6.0	EC000809
ETIM 7.0	EC000809
ETIM 8.0	EC000809
UNSPSC 16.0901	25173100

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