



## PLR

Accurate part localization for reliable robot handling

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Part localization time</b>	< 600 ms
<b>Localization accuracy</b>	± 0.5 mm, ± 0.1° <sup>1)</sup> ± 0.8 mm, ± 0.2° <sup>1)</sup>
<b>Enclosure rating</b>	IP65

<sup>1)</sup> Depending on material properties such as reflectivity and edge features. The accuracy values are valid inside the Field of View. Due to scaling error, the measurement accuracy decreases with increasing distance away from the measurement area.



## Product description

PLR is a sensor system designed for robotic handling of parts in carriers. It is a stand-alone device that comes complete with everything needed for easy setup, simple integration with the robot, and swift maintenance of the system in operation. The system is operated via an integrated web server and can be set up in no time at all. It combines 2D and 3D vision technology to provide a unique solution that can be used whenever reliable material handling is essential, even under varying conditions. PLR is factory-calibrated with preloaded software, meaning it is ready to use right out of the box. Installation and configuration of the device can be accomplished in only a matter of minutes. Now PLR is ready for operation.

## At a glance

- Precise and rapid part localization
- Combined 2D and 3D measurement
- Robot gripper correction calculation
- Web-server-based user interface
- Tools for easy integration with the robot
- Combination of multiple devices possible

## Your benefits

- PLR negates the need for precision racks or manual parts handling
- Cost-effective, stand-alone device connected directly to the robot
- The unique combination of 2D and 3D imaging techniques provides the reliability and flexibility needed for problem-free material handling operation
- The functions for robot alignment and gripper position correction make it easy for the integrator to work with PLR
- Web-server-based UI simplifies configuration and maintenance work
- A device installed in production can be replaced in less than 15 minutes
- Combining results from multiple devices allows even parts without defined features to be located

## Fields of application

- Car body component manufacturing
- Car body assembly operations
- Handling of chassis beams
- Appliance manufacturing

## Ordering information

Other models and accessories → [www.sick.com/PLR](http://www.sick.com/PLR)

Type	Measurement range	Part no.
PLR3200-01	265 mm ... 515 mm, recommended: 365 mm	1097315
PLR3200-01L	265 mm ... 515 mm, recommended: 365 mm	1109801
PLR3200-02	630 mm ... 880 mm, recommended: 730 mm	1099062
PLR3200-02L	630 mm ... 880 mm, recommended: 730 mm	1109802

## 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)