



VPS Pro

Precise vehicle measurement at low speed

SICK
Sensor Intelligence.



Technical data overview

Application	System for measurement of vehicle dimensions
Scanner design	3-scanner solution
Installation position	Distributed
Integrated application	Measurement of dimensions for one vehicle at a time
Number of covered lanes	1

Product description

The VPS Pro (Vehicle Profiling System) is designed for automatic measurement of vehicle dimensions using eye-safe 2D LiDAR sensors. The VPS Pro measures, amongst other things, the height, length, width, speed, start and end times of the measurement process, and 3D measuring points of the vehicle, including excess dimensions. This information is outputted via a TCP/IP interface. The interface viewer that is supplied displays the information about the measured vehicle. To ensure exact measurement results are obtained, vehicles must pass through the measuring station one by one.

At a glance

- Automatic and precise measurement of vehicle dimensions
- Information about the measured vehicle via TCP/IP interface
- Step-by-step configuration wizard for commissioning
- 3D model of vehicle with colored oversize indication
- Additional engineering support; e.g., integration into a higher-level system

Your benefits

- High measurement accuracy thanks to state-of-the-art laser measurement technology
- Automated measurement process reduces manual labor
- No work is required on the road surface
- High efficiency thanks to short measurement time
- Certifications attainable thanks to precise measurement technology
- Low maintenance requirements save time
- Oversized dimensions are detected, even in hard to reach places
- Modular design enables customization based on your application

Fields of application

- Verification of compliance with vehicle dimension regulations
- Roads and traffic infrastructure are protected thanks to vehicle dimension measuring before critical sections such as tunnels
- Optimizing the ferry and train loading process

Ordering information

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

- **Integrated application:** measurement of dimensions for one vehicle at a time

Items supplied	Length measurement accuracy	Width measurement accuracy	Height measurement accuracy	Type	Part no.
LMS511 SE (3 x), VPS Traffic Controller with VPS software incl. USB stick with TEMS info sample client, source code for TEMS info sample client, TEMS analyzer, and operating instructions	± 50 mm with vehicle speed < 7 km/h ^{1) 2)}	± 30 mm with vehicle speed < 7 km/h ^{1) 2)}	± 30 mm with vehicle speed < 7 km/h ^{1) 2)}	VPS553	1067557
LMS511 SE, LMS111-10100S05 (2 x), VPS Traffic Controller with VPS software incl. USB stick with TEMS info sample client, source code for TEMS info sample client, TEMS analyzer, and operating instructions	± 100 mm with vehicle speed < 7 km/h ^{1) 2)}	± 60 mm with vehicle speed < 7 km/h ^{1) 2)}	± 60 mm with vehicle speed < 7 km/h ^{1) 2)}	VPS153	1067558

¹⁾ Typical value; actual value depends on environmental conditions.

²⁾ Information refers to twice the standard deviation (2 sigma).

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