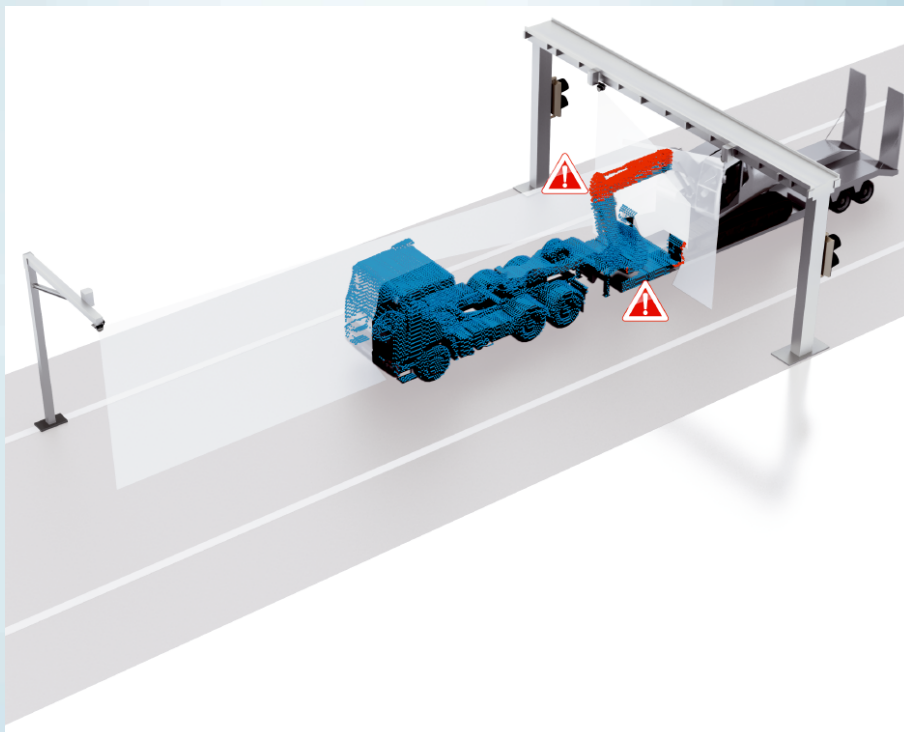


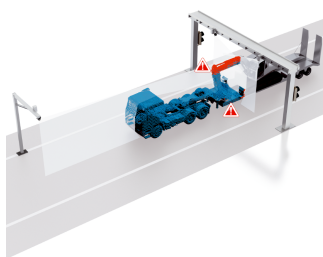


VPS553

VPS Pro

PROFILING SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
VPS553	1067557

Included in delivery: Traffic Controller VPS (1), LMS511 SE (1)

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



Detailed technical data

Features

Application	System for measurement of vehicle dimensions
Number of covered lanes	1
Scanner design	3-scanner solution
Vehicle data	Vehicle dimensions (length, width, height) 3D measuring points on the vehicle Vehicle speed Start- and end measurement point of the measurement
Recommended vehicle distance	Vehicles must pass through the measuring station one by one
Calibration	Yes
Stop-and-go functionality	Yes

Mechanics/electronics

Measuring range requirements	Measuring range (spanned by scan planes of the LMS) must be optically clear
Installation position	Distributed
Installation height	5 m ... 8 m Height of LMS Width, at least 1 m higher than the maximum vehicle height, LMS Length, offset by the maximum vehicle length + 3 m in the direction of travel, mounted laterally or overhead

Performance

Length measurement accuracy	± 50 mm with vehicle speed < 7 km/h ^{1) 2)}
Width measurement accuracy	± 30 mm with vehicle speed < 7 km/h ^{1) 2)}
Height measurement accuracy	± 30 mm with vehicle speed < 7 km/h ^{1) 2)}
Calibration accuracy	20 mm x 15 mm x 15 mm (L x W x H) ^{1) 3)}
Driving speed	3 km/h ... 7 km/h, for full coverage, achievement of the maximum measurement accuracy of the length, width, and height measurement possible 7 km/h ... 100 km/h, reduction in length, width, and height measurement accuracy
Minimum object size	1 m x 0.6 m x 0.6 m (L x W x H)
Maximum object size	30 m x 5 m x 5 m (L x W x H)

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

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

³⁾ Maximum deviation of the measuring points from the ideal test object.

General notes

Items supplied	LMS511 SE (3 x)
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	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
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Certificates

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓

Classifications

ECLASS 5.0	27281001
ECLASS 5.1.4	27280190
ECLASS 6.0	27280190
ECLASS 6.2	27280190
ECLASS 7.0	27280190
ECLASS 8.0	27280190
ECLASS 8.1	27280190
ECLASS 9.0	27280190
ECLASS 10.0	27280190
ECLASS 11.0	27280190
ECLASS 12.0	27280190
UNSPSC 16.0901	41111615

Recommended accessories

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

	Brief description	Type	part no.
Commissioning aids and test equipment			
	Product: Alignment aids Description: Alignment aid for detecting the infrared light (wavelength 780 nm to 1050 nm) of SICK sensors	Alignment aid	2101720
Mounting systems			
	Description: Mounting kit for fine adjustment For LMS1000/MRS1000, always use "Mounting kit 1a 2093194" or "Mounting kit 1b 2085935" and "Adapter plate 2085937" Material: Stainless steel Details: Stainless steel V2A (1.4301) Suitable for: LRS4000, MRS1000, LMS1000, LRS4000	Fine adjustment bracket	2076764
connectors and cables			
	Connection type head A: Male connector, M12, 4-pin, straight, D-coded Connection type head B: Male connector, RJ45, 4-pin, straight Signal type: Ethernet, PROFINET Cable: 20 m, 4-wire, CAT5, CAT5e, PUR, halogen-free Description: Ethernet, shielded, PROFINET	YM2D34-200P-N4MRJA4	6050685

	Brief description	Type	part no.
	• Application: Cold bending resistant, Outdoor, Zones with oils and lubricants, seawater resistant • Connection type head A: Female connector, M12, 4-pin, straight • Connection type head B: Flying leads • Cable: 20 m, 4-wire, PUR, halogen-free • Description: Shielded • Application: Uncontaminated zones, Zones with oils and lubricants, Robot, Drag chain operation	YF2A64-200UE1XLEAX	6050687

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