



LVM5552

Load Volume Measurement System

PROFILING SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
LVM5552	1109233

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



Detailed technical data

Features

Number of covered lanes	1
Vehicle data	Load volume Vehicle classes Driving direction Lane assignment Confidence level for all vehicle datas 3D point cloud Vehicle dimensions
Sensor	2D LiDAR sensor
Recommended distance between max. vehicle height and sensor	≥ 1 m
Stop-and-go functionality	Yes
Max. range with 10 % reflectivity	40 m
Aperture angle	190°, per LMS511 SE
Laser class	1, eye-safe (IEC 60825-1:2014)
Heating	✓
Internal computer	Application Processing Unit (APU)✓
Internal memory	256 GB SSD

Mechanics/electronics

Installation position	Overhead or at the side
Installation height	5 m ... 8 m At least 1 m higher than the maximum vehicle height

Performance

Minimum object size	1 m x 0.6 m x 0.6 m (L x W x H)
Maximum object size	32 m x 3.5 m x 5 m (L x W x H)
Minimum detectable object	190 mm x 130 mm x 130 mm

Interfaces

Output data	Vehicle data incl. load volumes
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General notes

Items supplied	LMS511 HD (5 x) Application Processing Unit (APU) LVM software
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Certificates

EU declaration of conformity	✓
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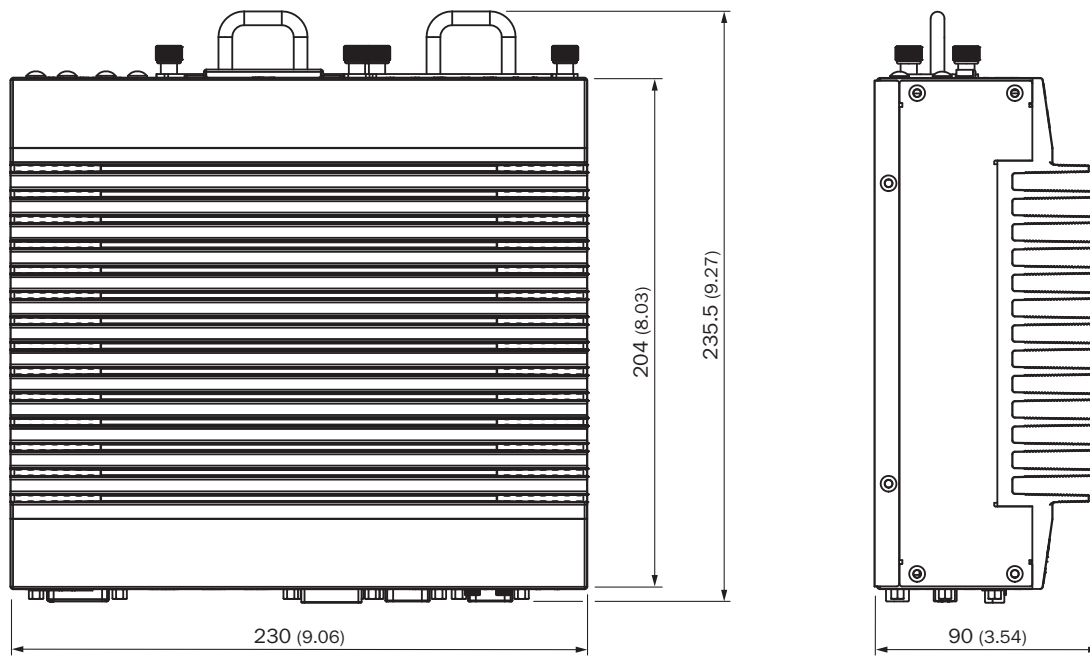
UK declaration of conformity

✓

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

Dimensional drawing APU (Application Processing Unit)



Dimensions in mm (inch)

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