



# LMS211-S26

LMS2xx

2D LASER SCANNERS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
LMS211-S26	1044297

Other models and accessories → [www.sick.com/LMS2xx](http://www.sick.com/LMS2xx)



### Detailed technical data

#### Features

<b>Version</b>	Mid Range
<b>Field of application</b>	Outdoor
<b>Light source</b>	Infrared (905 nm)
<b>MTBF</b>	50,000 h
<b>Laser class</b>	1, eye-safe (EN/IEC 60825-1, 21CFR 1040.10)
<b>Aperture angle</b>	100°
<b>Scanning frequency</b>	75 Hz
<b>Angular resolution</b>	0.25° 0.5° 1°
<b>Heating</b>	Yes, including additional front window heating
<b>Operating range</b>	0 m ... 80 m
<b>Max. range with 10 % reflectivity</b>	30 m
<b>Fog correction</b>	Yes

#### Performance

<b>Response time</b>	≥ 13 ms
<b>Detectable object shape</b>	Almost any
<b>Systematic error</b>	± 35 mm <sup>1)</sup>
<b>Statistical error</b>	± 10 mm <sup>1)</sup>
<b>Integrated application</b>	Field evaluation
<b>Number of field sets</b>	2 field triples (6 fields)
<b>Simultaneous evaluation cases</b>	1 (3 fields)

<sup>1)</sup> Typical value; actual value depends on environmental conditions.

#### Interfaces

<b>Ethernet</b>	✓
Function	Host
Data transmission rate	10/100 MBit/s
Protocol	TCP/IP, UDP

<b>Switching inputs</b>	1
<b>Switching outputs</b>	3
<b>Optical indicators</b>	0

#### Mechanics/electronics

<b>Electrical connection</b>	1 x 16-pin plug
<b>Operating voltage</b>	≤ 24 V DC
<b>Power consumption</b>	30 W, + 140 W heating
<b>Housing</b>	Aluminum die-cast base plate Covering PU
<b>Housing color</b>	Gray (RAL 7032)
<b>Enclosure rating</b>	IP 67
<b>Protection class</b>	III (EN 50178:1997-10)
<b>Weight</b>	9 kg
<b>Dimensions (L x W x H)</b>	248 mm x 351 mm x 265 mm

#### Ambient data

<b>Object remission</b>	1.8 % ... 10,000 %
<b>Electromagnetic compatibility (EMC)</b>	EN 61000-6-2 / EN 61000-6-3 / A11 (2004-07)
<b>Vibration resistance</b>	IEC 68
<b>Shock resistance</b>	IEC 68
<b>Ambient operating temperature</b>	-30 °C ... +50 °C
<b>Storage temperature</b>	-30 °C ... +70 °C

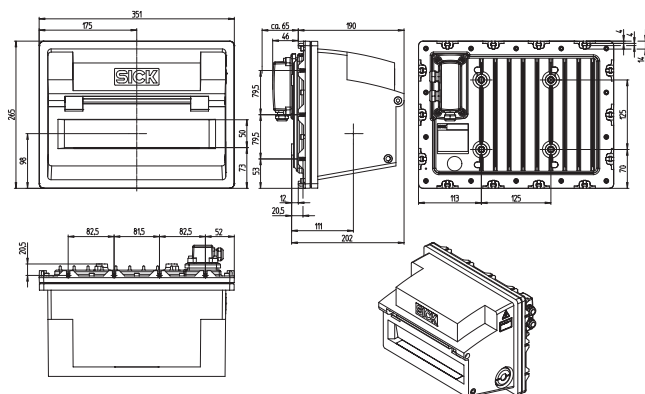
#### General notes

<b>Life cycle phase</b>	Discontinued
<b>Note on use</b>	Not suitable for personnel protection

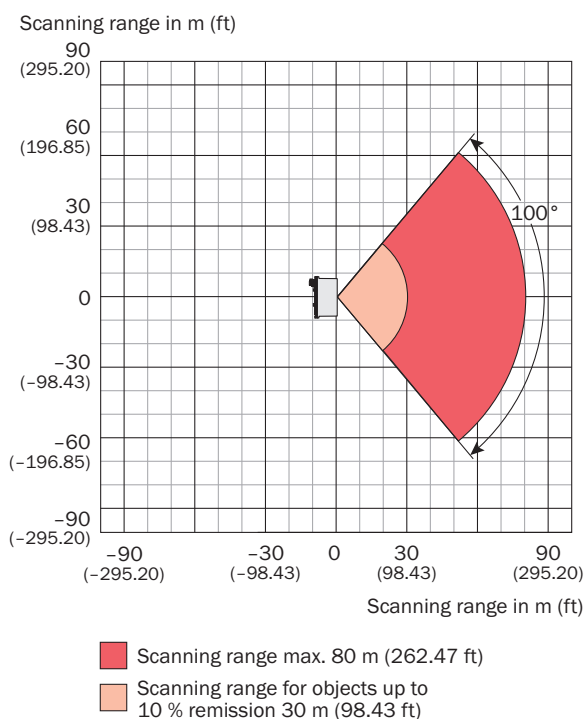
#### Classifications

<b>ECl@ss 5.0</b>	27270990
<b>ECl@ss 5.1.4</b>	27270990
<b>ECl@ss 6.0</b>	27270913
<b>ECl@ss 6.2</b>	27270913
<b>ECl@ss 7.0</b>	27270913
<b>ECl@ss 8.0</b>	27270913
<b>ECl@ss 8.1</b>	27270913
<b>ECl@ss 9.0</b>	27270913
<b>ETIM 5.0</b>	EC002550
<b>ETIM 6.0</b>	EC002550
<b>UNSPSC 16.0901</b>	46171620

**Dimensional drawing** (Dimensions in mm (inch))





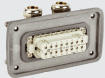




**Operating range diagram**



**Recommended accessories**

Other models and accessories → [www.sick.com/LMS2xx](http://www.sick.com/LMS2xx)

	Brief description	Type	Part no.
Device protection (mechanical)			
	Dust prevention shield, gray	Weather hood	2025793

	<b>Brief description</b>	<b>Type</b>	<b>Part no.</b>
<b>Mounting brackets and mounting plates</b>			
	Mounting kit for wall-mounting (adjustment bracket), steel, zinc coated	Mounting kit	2018303
<b>Plug connectors and cables</b>			
	Head A: female connector, 16-pin Head B: - Cable: unshielded	16-pin female connector	2018301
	Head A: 16-pin Head B: - Cable: unshielded For connection plug of the laser scanner	16-pin plug insert (female connector)	6004379
	Cable: RS-232, RS-422, unshielded, 5 m, configuration cable pre-assembled for RS-232, for the connection of PCs/power supply	Service cable	2019561
<b>Reflectors</b>			
	Reflective tape	Reflective tape	4029444
<b>Test and monitoring tools</b>			
	Scan finder, receiver to localize infrared scans	Scan-Finder LS-80L	6020756

## 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)